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AUGUST 11, 1951

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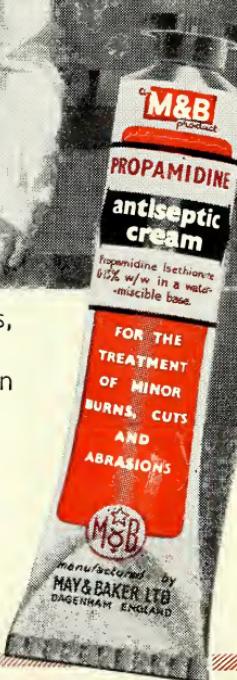
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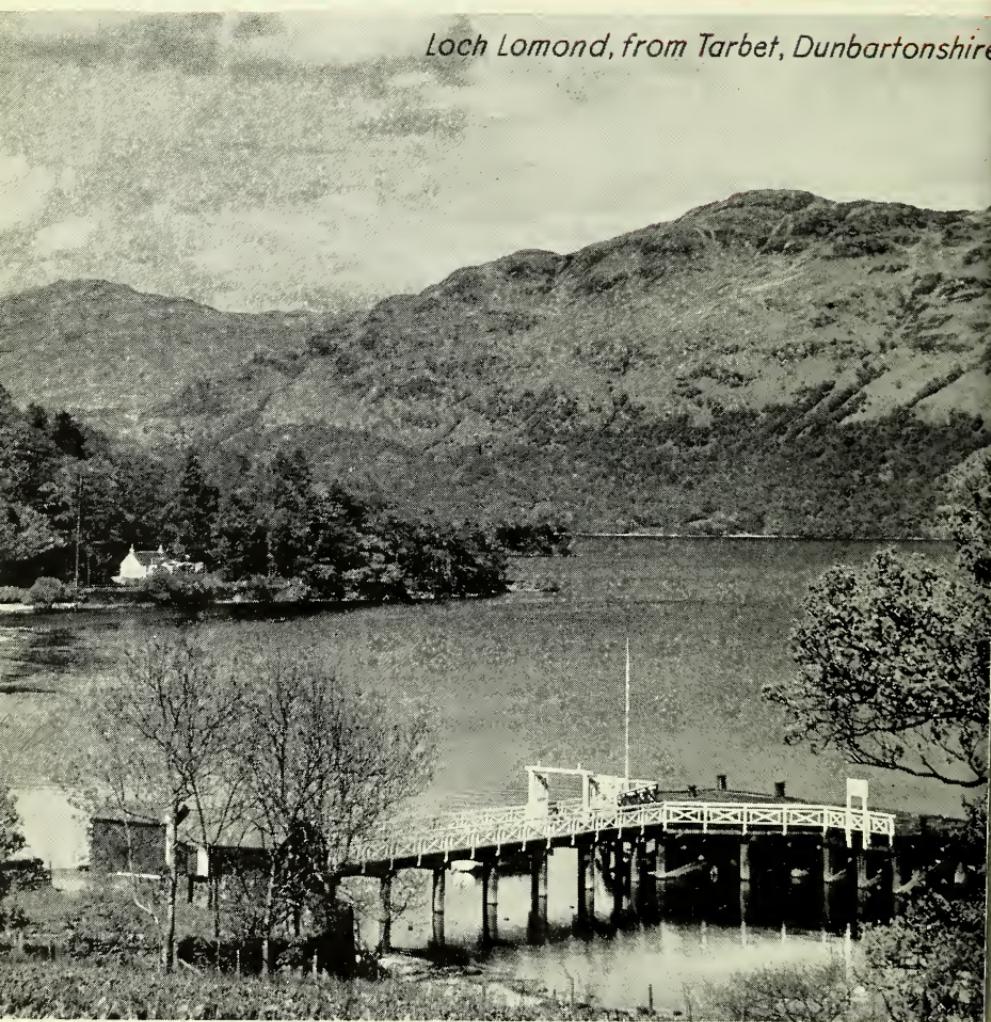
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THE CHEMIST AND DRUGGIST

for RETAILER—WHOLESALE—MANUFACTURER

AUGUST 11, 1951

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Volume CLVI

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NEWS OF THE WEEK

Record Exports of Isotopes.—Britain's exports of isotopes from the Atomic Energy Research Establishment, Harwell, reached their highest-ever figure (236 tons) in May, with Eire and France the best customers.

Exemptions from Key Industry Duty.—The Treasury has made an Order (S.I., 1, No. 1369) exempting the following articles from Key Industry Duty for the period from August 4 to August 19: benzyl cyanide, o-cresol, diethyl malonate (ethyl ester), fumaric acid, phenothiazine and terephthalic acid.

Import Certificates for Strategic Goods.—Importers who are asked by their overseas suppliers to furnish a certificate that goods they have ordered are for use in the United Kingdom should apply to

the Board of Trade Import Licensing Branch, Romney House, Tufton Street, London, S.W.1. If an import certificate is issued, the importer will be bound by the provisions of the Control of Goods (Import Certificates) Order, 1951, and will be liable to penalties if the goods are diverted

to any other destination without the approval of the Board of Trade.

Industrial Disputes Order.—The Conditions of Employment and Arbitration Order (Order 1305), which was introduced as an emergency measure during the war, is to be revoked and replaced on August 14 by the Industrial Disputes Order, 1951. The new Order (S.I., 1951, No. 1376) provides for the constitution of an Industrial Disputes Tribunal to deal with disputes incapable of being settled by other machinery.

Arbitration for the Doctors.—The Minister of Health has informed the General Medical Services Committee that he is willing to refer for decision by an independent third party the question of the size of the central pool from which general practitioners are remunerated under the National Health Service. He stipulated that a working party should be set up to formulate a revised plan of distributing the central pool. The Minister's decision follows a letter sent to him recently by the Committee (see *C. & D.*, July 28, p. 97).

Soap Prices Increase.—The Ministry of Food has amended the Soaps Order, 1950, so as to increase by one-halfpenny per lb. the maximum retail prices of domestic hard soap. The new prices, effective from August 5, make the prices of plain and carbolic hard soap 1s. 0½d. and 1s. 1d. per lb. respectively. The special prices prescribed in the Soap Order for a number of brands will also be increased by ½d. per lb. each. The full list is contained in the schedule to the Soap (Amendment No. 2) Order, 1951.

Export Control Amended.—The Export of Goods (Control) Order, 1951 (Amendment No. 2) Order, 1951 (S.I. 1951, No. 1353), made by the Board of Trade on July 24, requires licences to be obtained for all destinations for indium and its compounds, phthalic acid esters and *p*-chloronitrobenzene. Licences are also to be obtained for all destinations other than those specified in Part II of the Third Schedule of the Order, excluding Hong Kong for boron carbide, certain carbon powder, calcium metal, certain types of chemical process vessels and certain chemicals. The Order operates from August 1.

Export Group to End.—The annual meeting in July of the Proprietary Remedies Export Group, "a separate body formed in 1940 to meet war-time conditions," decided to dissolve the Group on August 31. From that date the duties of the Group will be taken over by the parent body, the Proprietary Association of Great Britain, which will be responsible for any deficit or outstanding accounts and will take over any remaining funds or assets. From September 1 all inquiries that would have been sent to the Export Group should be addressed to the P.A.G.B., 43 Gordon Square, London, W.C.1 (telephone: Euston 3527). The services connected with obtaining certificates for registration of products in foreign countries and for negotiating replacements of sugar, glucose, etc., used in manufacturing goods for export, will continue to be available.

Payments to Chemist-Contractors.—The National Pharmaceutical Union states that it has not been found practicable this month to adjust payment on account for July 1951 prescriptions to give effect to the revised rate of oncost and increase in dispensing fee by one penny in England and Wales that results from the recent settlement of the basis of National Health Ser-

vice pharmaceutical service remuneration. The payment on account made for such prescriptions in August will therefore be at the rate of 94½ per cent. of each contractor's own May 1950 overall prescription value. The adjusting payment resulting from the settlement will be made in September. The payment will be made up of (a) additional balances due in respect of May 1950 and subsequent months for which "final" payments have already been made on provisional terms; and (b) additional balances to increase payment on account already made for unpriced months subsequent to September 1950.

London Degrees in Pharmacy.—The following have satisfied the examiners of the University of London B.Pharm. examination, 1951, for internal students:—(Old regulations) Harsaran Singh Bakshi (Revised regulations), First Class Honours: D. McK. Moulden; Second Class Honours: R. P. Jolliffe, P. J. Parr, P. A. Robertson, H. J. Smith, W. G. Smith, C. J. Stocwell, R. Thornton. Pass: H. R. Ami, Sylvia M. Bornheim, G. S. Cox, Rosema M. Hart, Judith E. E. Morris, Aileen E. Robinson, Pamela A. M. Wolfe. The following passed the examination for external students: Sheila G. Arthur, Leicester; T. G. Booth, Bradford; K. L. Bowes, Sunderland; Mary M. Bowles, Brighton; J. J. Bratt, Leicester; S. Datta, Chelsea Polytechnic; B. Dobson, Bradford; C. B. Fern, Sunderland; D. Godfrey, Leicester; L. Gower, Chelsea Polytechnic; B. Hall, Birmingham; N. J. Hall, Birmingham; J. Harris, Leicester; E. D. Hurt, Birmingham; K. A. Kerridge, Chelsea Polytechnic; G. D. H. Leach, Brighton; G. E. McDermott, Portsmouth; Elizabeth A. Meik, University of Nottingham; B. A. Muller, Chelsea Polytechnic; D. A. A. Munsinge, School of Pharmacy; R. C. Pat, Chelsea Polytechnic; Elizabeth A. Sho, Brighton; Josephine Wheeler, Birmingham.

Examination Results.—The following candidates satisfied the examiners in the Chemist and Druggist Qualifying examination held in Scotland in July:—

Allen, Harry	Bryant, Christina
Bailey, Peter	Bussey, Derrick
Barnett, Geoffrey	Campbell, Joseph T.
Baxter, A. H.	Cappleman, Barbara
Bentley, Alan	Carlisle, Anthony
Biggin, Betty	Cliff, John
Binns, Mavis M.	Clitherow, John W.
Black, June	Coburn, Agnes H.
Blackler, Barbara A.	Coward, Victor N.
Bolton, John S.	Craig, John
Boyes, Elizabeth G.	Craise, Adam W.

Crook, Margaret S.
 Cubbin, James
 Currer, Kathleen
 Davidson, D. W. McG.
 Davies, Evan T.
 Dawson, Janet R.
 Dickinson, Eric H.
 Dronfield, Joyce
 Duckitt, Marion D.
 Durrant, William M.
 Duthie, James B.
 Filkin, Anne V.
 Fines, George B.
 Fore, Jane
 Fraser, Millicent C.
 Gay, Robert
 Gilhooley, Mary
 Graham, William Y.
 Greenwell, John
 Gregory, Janet W.
 Halliday, Clement H.
 Halliday, William
 Hare, Thomas
 Haworth, Jean
 Heaps, Brian H.
 Heming, Ruth M.
 Henry, David
 Jenwood, James M.
 Hoyle, Kenneth
 Howe, Joyce
 Hughes, John W.
 Obeling, Edward S.
 Jolly, Douglas B.
 Jones, O. E. J.
 Kneen, Philip
 Lawson, Myrtle MacD.
 Leask, Vera
 Lindley, Marion
 Logan, William T.
 McCrindle, James L.
 MacDonald, Alan
 McInnes, Alistair B.
 McIntosh, John D.

MacIntyre, James G.
 McKenzie, Alexander
 MacKinnon, Aulay McA.
 Macpherson, Sheila M.
 Malloy, James E.
 Meade, Peter M.
 Miller, Margaret
 Millican, Geoffrey R.
 Mitchell, Leslie A.
 Mollison, Eric
 Naylor, Alfreda M.
 Pearson, Joan
 Proctor, Harriet M.
 Proud, Ian
 Rhodes, William B.
 Riddler, Patricia C.
 Risdon, John
 Robinson, Harry
 Robinson, Malcolm W.
 Rogers, Mollie
 Ruddock, Joseph A.
 Rushton, Victor
 Rushworth, Peter
 Sawyer, Tom
 Schofield, Patricia M.
 Shorter, Geoffrey J.
 Simmons, Russell N.
 Skinner, Norman J.
 Smith, Wendy
 Stacey, Arthur
 Stark, William A.
 Stephen, Robert S.
 Stewart, Jeanette C.
 Storey, Brian M.
 Sturgess, Michael A.
 Swanston, Philip W.
 Urwin, Geoffrey
 Vannan, David E.
 White, Hilary M.
 Williams, Charles J.
 Wright, Frances B.
 Young, Elizabeth C.

LOCAL NEWS

To Practise in Jersey.—Mrs. H. M. Leau, M.P.S., and Mr. G. M. Guernier, P.S., have been granted permission to practise in Jersey.



Bradford Factory Fire.—A fire outbreak occurred in the despatch room of Brook, Parker & Co., Ltd., wholesale chemists, Bradford, on July 19. A number of packages of chemicals were destroyed.

101st Annual Report.—Liverpool Chemists' Association and Branch have issued as a printed booklet their 101st annual report which includes particulars of the Merseyside branch of the National Association of Women Pharmacists, Guild of Public Pharmacists (Liverpool branch), and the Liverpool and District Chemists' Association Golfing Society.

Society's President Entertained.—The committee of the Wimbledon and District Pharmacists' Association held a dinner party in London, under the presidency of Mr. J. F. Thomas (chairman of the Association) on July 25 to celebrate the election of Mr. F. C. Wilson (a member of the committee) as president of the Pharmaceutical Society. He was the guest of honour.

Locally Controlled Pricing?—In a reference to the "present unhappy position" of prescription pricing, Dr. John Kerr (chairman), in his annual report to the Cheshire Executive Council on July 18, wondered whether the pricing of prescriptions could not be undertaken more efficiently through local pricing bureaux under the direct control of Executive Councils. The conception of a centrally controlled pricing service and a separate prescribing investigation unit was, he said, wrong.

SPORT

Golf.—CARDIFF CHEMISTS' ANNUAL GOLF TOURNAMENT at Dinas Powys, July 25: Francis Newbery cup: K. Court, Swansea, net 59; Johnson & Johnson tankard: W. H. A. Williams, Cardiff, net 68; Bertram Griffiths representatives' tankard: C. Ingram Evans, Cardiff, net 66; runner-up: W. Llewellyn, Newport, net 66.

MANCHESTER PHARMACISTS AT DAGENHAM.

—Twenty members of Manchester Branch, Guild of Public Pharmacists, photographed with members of staff at the works of May & Baker, Ltd., Dagenham. They visited manufacturing units, packaging departments, and analytical control, pharmaceutical research and biological laboratories.

OVERSEAS NEWS

Belgian Co-operative Pharmacies.—Figures issued recently show that trade in the 148 chemists' and twenty optical shops of the co-operative pharmacies organised in the *Office des Pharmacies co-opérationnelles de Belgique*, Brussels, amounted to fr. 281,182,961 (£2,008,450) in 1950.

A Compound to Kill Mites.—A new compound, claimed to kill mites, while having no toxic effect on man or animals, has been produced recently by the Naugatuck chemical division of the United States Rubber Co. The compound (Aramite) is 2-(*p*-tert-butylphenoxy) isopropyl 2-chloroethyl sulphite.

Penicillin Plant for Brazil.—An affiliate company of Wyeth International, Inc., Fontoura-Wyeth S.A. of Brazil, is to construct a modern five-story laboratory for the production of various penicillin salts and for the preparation of penicillin medical and veterinary products. The products will be used in Brazil.

IG Farben Holdings.—The Allied High Commission in Germany has invited all shareholders in IG Farben to declare their holdings as soon as possible to prepare for the allocation to shareholders of stock in the new companies which are to result from the break-up. The ban on buying and selling IG Farben shares will be lifted at the same time.

Warning Label on Antibiotics.—The Council on Pharmacy and Chemistry of the American Medical Association has decided that a warning statement is to be attached to bottles of aureomycin, chloramphenicol and terramycin, pointing out that when susceptible bacteria are suppressed by those antibiotics *Monilia* (*Candida*) and other yeast-like organisms may appear.

W.H.O. Anti-tuberculosis Centre.—A building to house the World Health Organisation's Anti-tuberculosis Centre was opened in Istanbul recently. Dr. Ekren Hayri Ustundag (Turkish Minister of Health), in an address, said that tuberculosis was responsible for 40,000 deaths annually in Turkey. The building includes sections for radiography, tuberculin testing and BCG vaccination.

Australia and ACTH Production.—Australia is ready to begin large-scale production of the drug ACTH and might be able to help Britain produce it, the Aus-

tralian Health Minister, Sir Earle Page announced recently.

A Japanese Miniature Camera.—Though it may not be imported into this country, a 16-mm.

snapshot camera, the Mamiya 16, may be of interest to camera-users here in showing what can be done in reducing camera size. The Mamiya takes twenty pictures size

10 x 14 mm. on the length of 16-mm cine film it holds. The lens is described as a "3.5 high-speed, colour-corrected fixed focus," and the shutter has 1/25 1/50, 1/100 speeds and B.

Successful Anti-locust Trial.—In us for the first time against desert locusts Aldrin, an insecticide marketed in the United States, applied as a spray from air craft. At the rate of only 3 oz. an acre (dissolved in $\frac{1}{2}$ gall. diesel oil), Aldrin gave virtual 100 per cent. kill of the locust over a wide area of infested wheat and date palms.

Penicillin Dentifrice.—In a recent address to the Ontario Dental Society, Dr. H. A. Zander (professor of dentistry, Tuft College Dental School, Boston, Mass U.S.A.) described penicillin as the "most potent anti-decay agent" available for incorporation in a dentifrice. A comparative clinical study carried out over a period of two years, he said, showed that dentifrice containing 500 units per gm. of penicillin was 55 per cent. more efficient in preventing caries than a preparation without penicillin.

Drug Research Centre in Rome.—A international drug research centre has been opened in Rome. The new institution, the International Centre for Chemical Microbiology, will be directed by Professor E. B. Chain, London, co-discoverer of penicillin. The centre is attached to Italy's Government Institute of Health. Foreign scientist will be trained there with scholarships from the United Nations World Health Organisation. British scientists attending the opening were Professor Sir Cyril Hinshelwood and Dr. D. D. Woods, of Oxford University, and Dr. A. A. Miles, of the National Institute for Medical Research, London.



TOPICAL REFLECTIONS

Pharmaceutical Education

The issue of August 4 is a welcome advance towards your old-style annual Educational Number, which has been curtailed, though maintaining attractive features, since you had to adopt a smaller size of page ten years ago. To have these details of many qualifications collected and revised annually is of great value. The pharmacy department of Brighton Technical College well deserves the illustrated article on pp. 147-50: its record is one to be proud of. Facing p. 147, one of your "Fifty Years Ago" paragraphs is concerned with botany. Curiosity to see its context made me look up the *C. & D.* of August 3, 1901, where I found it in the address of Mr. (afterwards Dr.) George Claridge Druce from the chair of the British Pharmaceutical Conference. That address I regard as probably the most masterly of the series; and if ever it is decided to reprint a selection of such addresses, this will, I hope, be used without much abbreviation. Dr. Druce's eminence as a botanist did not lead him to weight his survey of nineteenth-century science with more extended reference to that subject than was justified. At the same time, he spoke with distinctive authority on the science in which he had done original work: I may recall that a *Potamogeton* named after him is the subject of one of the carvings in the Science Museum at Oxford. This address contains, in its closing paragraphs, the stimulating thought that whatever can be effected by the Legislature, the greater part of the problem of "bad times" in pharmacy must be left to pharmacies themselves.

Dividends and Diversions

"Excursions and alarms," accompanying threatened price-maintenance abolition, are renewed over another futility, the proposed limitation of dividends (pp. 130, 46). Since your issue of August 4 went to press, a statement (see p. 189) has been circulated by the Federation of British Industries severely condemning the latest pronouncement of the Government. No apology is needed for quoting from this criticism. The Federation comments that the proposals in the White Paper, so far as they indicate any positive action, amount to little more than an attempt to suppress one or two symptoms of inflation and therefore will only operate to

conceal the disease." Higher productivity will not be promoted "by exhortation accompanied by the removal of almost every incentive other than the desire to survive or by attempting to place the economy in a strait jacket of restrictions." After urging that a lead in "creating a psychological background towards restraint" should come from the Government, the F.B.I. claims that "distributed profits judged by any reasonable standard have shown a far lesser increase than almost any other form of personal income," and that "greater restraint has been exercised in this field than in any other." The "root causes" of inflation and of the gap in the balance of payments must be tackled, and "it is only by increased productivity and a reduction in the level of Government expenditure that a sound beginning can be made."

Pharmacopeial Additions

A comment is prompted by the corrigenda to the British Pharmacopœia Addendum (p. 130) and by the latest list of names officially approved for certain drugs (p. 137). Corrigenda are practically inevitable in a scientific work extending to hundreds of pages; and for pharmacopœias there is the precedent of the *Pharmacopœia Londinensis* of May 1618, with its closely printed page of corrections. Publication of some, if not of all, the British Pharmacopœias has been followed by the issue of small lists of errata. It is a good plan to copy all such revised statements on the page to which they belong, or alternatively to make a distinctive reference in each case, even if the process is slow and tedious—as occasionally it is. Lists of officially approved names for drugs are, of course, not part of the British Pharmacopœia then in force; the procedure regarding them was explained in the *C. & D.*, 1948.II.206. On reading a list of this kind, many people must wonder how many of the medicaments will be in regular use after ten (or even after five) years. Is it reactionary to suggest that additions to the British Pharmacopœia have of late been made with more haste than is requisite for a book of unquestioned authority? If a new Pharmacopœia is to appear quinquennially, as is the intention in future, I question the need for more than one Addendum in the interim.

Xrayser

NEW COMPANIES

WRIGHT'S DENPADS, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in medicated dental pads, ointments, lotions, etc. Gordon R., Gwynneth M. and David R. Wright, directors. R.O.: 33 Furze Platt Road, Maidenhead, Berks.

H. BENNETT (PHARMACY), LTD. (P.C.).—Capital £6,000. To acquire the business of a dispensing and photographic chemist carried on at 78 Burton Road, West Didsbury, Manchester, 20. Henry Bennett, M.P.S., and Alan Wood, directors. R.O.: 170 Burton Road, West Didsbury.

HARWOOD & HALL, LTD. (P.C.).—Capital £500. To carry on the business of pharmaceutical chemists, etc. Eileen M. Harwood, Arthur R. Harwood, M.P.S., Phyllis E. Hall and Harry Hall, M.P.S., directors. R.O.: 122 High Street, Teddington, Middlesex.

MACARTHY'S (WHOLESALE CHEMISTS), LTD. (P.C.).—Capital £15,000. To carry on the business of pharmacists, etc. Frederick C. Ritchie, Edwin E. Farrant, M.P.S., and John McMillan, M.P.S., directors. R.O.: 28 Market Place Romford, Essex.

STEPHENS CHEMISTS (MILNSBRIDGE), LTD. (P.C.).—Capital £3,000. To carry on the business of wholesale or retail pharmaceutical chemists, etc. William T. Stephens, M.P.S., and J. R. Ireland, M.P.S., directors. R.O.: 63 Market Street, Milnsbridge, Huddersfield.

WEST & SON (THERMOMETERS), LTD. (P.C.).—Capital £2,000. To carry on the business of manufacturers of and dealers in thermometers, measuring instruments, etc. Arnold West and Geoffrey W. West, directors. R.O.: 4 Vernon House, Sicilian Avenue, London, W.C.1.

REGINALD E. AVERRE & CO., LTD. (P.C.).—Capital £1,000. To carry on the business of wholesale or retail chemists, drug merchants and dealers, etc. Reginald E. Averre and Frederick Mitchell, M.P.S., directors. R.O.: 12 Cricklewood Lane, London, N.W.2.

H. L. IRONMONGER & SON, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturing, pharmaceutical and general chemists, etc. Herbert L. Ironmonger, M.P.S., Janet Ironmonger and John D. Ironmonger, M.P.S., directors. R.O.: 10 Fauconberg Road, London, W.4.

C. WAKEHAM & SON, LTD. (P.C.).—Capital £5,000. To acquire the business of a chemist and druggist now carried on at Helston, Cornwall. Charles N. Wakeham, M.P.S., Kathleen G. Wakeham and Mary E. Wakeham, directors. R.O.: Coinagehall Street, Helston.

BAYER AGRICULTURE, LTD. (P.C.).—Capital £10,000. To acquire the business of manufacturers and merchants of an dealers in agricultural and horticultural products carried on by Bayer Product Ltd., in Great Britain, Northern Ireland, Eire and overseas countries (excepting the United States and Canada). Charles Wakeley, Harold C. Mellor, Charles M. Carr, Campbell T. Ward, Euselius Holmes and Stanley Magee, directors.

BUSINESS CHANGES

MESSRS. G. G. WATT and G. G. JAMISON have taken over the branch pharmacy at 47 Perry Hill, Catford, London, S.E. of A. A. Abbott (Chemists), Ltd., and will conduct it under the title A. A. Abbott.

THE business known as H. Trembat Chemist, Barnstaple, Devon, ceased to be pharmacy on July 26. Business communications should be addressed to M. D. B. Trembat, 18 Litchdon Terrace, Barnstaple.

THE headquarters of the Board of Trade is being transferred to Horse Guards Avenue, Whitehall, London, S.W.1 (telephone: Trafalgar 8855), to which address all correspondence for divisions hitherto housed in Imperial Chemical House and Thames House (North).

A. A. ABBOTT (CHEMISTS), LTD., have disposed of their branch business at 47 Perry Hill, London, S.E.6. The company will continue at its branch premises 363 Sydenham Road, S.E.26, in the name of Bell Green Pharmacy. All communications, deliveries, etc., should be made at that address.

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19, have made the following appointments: Messrs. K. C. Aylett, Ph.C. F.C.S., to the staff of Productos Evans S.A., in Brazil; R. A. Crawford, Ph.C. A.R.I.C., D.B.A., to Evans pharmaceutical laboratories as a departmental manager; R. C. Whitehouse, M.P.S., to the research department of the laboratories; and A. Harrison, B.Sc., Ph.C., and W. McClaughlin, M.P.S., to the sterile products unit.

THE WEEK IN PARLIAMENT

By a Member of the Press

Mr. F. WILLEY (Parliamentary Secretary to the Ministry of Food) told Dr. BARNETT on July 30 that neither dulcin nor P 4,000 was being put into food or drink in Britain. DR. STROSS asked whether the Minister remembered that dulcin had been used in the past and provided a warning to be most cautious in allowing the introduction of those strange substances in food without knowing all about them. MR. WILLEY said he was glad that its use had now been abandoned.

Payments on Account

MR. H. N. LINSTEAD asked the Minister of Health on July 31 what percentage of the finally calculated value of prescriptions dispensed in England during May 1950 was paid by him on account in June 1950; and what percentage had been paid by the end of December 1950; what percentage of the finally calculated value of prescriptions dispensed in Wales during May 1950 was paid by him on account in June 1950; and what percentage had been paid by the end of December 1950. MR. MARQUAND, in a written statement, said that 85½ per cent. of the finally calculated value of prescriptions dispensed in England in May 1950 had been paid on account in June 1950; the supplementary amount in December 1950 had increased to figure to 90 per cent. For Wales, the corresponding figures were 83½ and nearly 90 per cent.; for England and Wales together, 85½ and 89½ per cent.

Cortisone Supplies

MR. H. A. MARQUAND (Minister of Health) told SIR THOMAS MOORE on August 2 that he would consider sympathetically any proposals designed to establish a factory in Britain for the production of cortisone.

MR. E. B. WAKEFIELD asked why the import of cortisone on private account was bidden, and the Minister replied that such imports were not recommended because his Department was already importing the maximum quantity of the drug obtainable from the United States, and distributing it for clinical research and for hospital treatment of cases which, on medical grounds, were most in need. Private imports would make it difficult for him to expand, or even to maintain, those arrangements.

Gallery, House of Commons

Proprietary Medicines

DR. B. STROSS asked the Minister of Health on August 2 whether he was aware that some proprietary medicines "are not only expensive but useless"; what action he contemplated taking to protect the public; and whether he would initiate an examination of the manufacture of proprietary medicines.

MR. H. A. MARQUAND replied that there was already a considerable degree of legislative control over proprietary medicines and he had the matter generally under constant consideration. He undertook to consider any suggestions, but had not had time to study the provisions for control of proprietary medicines in France.

DR. CHARLES HILL asked if the Minister would bear in mind that the word "proprietary" covered not only the useless but immensely valuable products as well, and that it was desirable that there should be a clarification of terms. MR. MARQUAND agreed there were very valuable proprietary medicines.

DR. STROSS asked if the Minister would say whether an examination was being made into the ethical and the non-ethical, the useless and the useful?

MR. MARQUAND: The Central Health Services Council has a special subcommittee of the Joint Committee on Prescribing, under Sir Henry Cohen, which is surveying the whole field of prescribing, including pharmaceutical preparations available for prescribing.

LIEUTENANT-COLONEL SIR THOMAS MOORE suggested that a large proportion of proprietary medicines were "a godsend for the treatment of minor complaints in the home," and that they all conformed to a high standard of preparation.

MR. WILL NALLY asked whether the Minister did not agree that there were sufficient proprietary medicines whose efficacy was doubtful and whose prices represented "a fantastic racket"? MR. MARQUAND replied that a number of proprietary medicines had been listed by Sir Henry Cohen's Committee and the names of those which were not desirable for prescribing had been notified to general practitioners.

Assent to D.D. Act

The Royal Assent was signified to the Dangerous Drugs Act on August 2.

MARRIAGE

RANKIN—LILLEY. — At Fortwilliam Presbyterian Church, Belfast, recently, James F. Rankin, Ph.C., youngest son of Mr. W. J. Rankin (treasurer, Ulster Chemists' Association), 11 Hopefield Avenue, Belfast, to Kathleen Lilley, B.Sc., Belfast.

DEATHS

COPLEY. — At his home in Bulawayo, Southern Rhodesia, on August 1, Mr. William Dawn Copley (a past-president and past-secretary and life member of the Pharmaceutical Society of Southern Rhodesia). Born in Leicestershire, England, in 1871, he qualified as a chemist and druggist under the Pharmaceutical Society of Great Britain in 1895, emigrating to Cape Town the same year. In 1896 he joined the staff of F. J. Byrne, Bulawayo. A year later he went into partnership with Harold W. Smart to form Smart & Copley, later converted to the present company of Smart & Copley, Ltd., of which Mr. Copley was managing director to the time of his death. A founder of the Pharmaceutical Society of Southern Rhodesia in 1898, he was its first secretary, and subsequently on several occasions its president. He was elected a life member in 1950. Mr. Copley was one of the first pharmaceutical members of the Medical Council of Southern Rhodesia. Mr. Copley was a past district grand master for Rhodesia (English constitution), P.A.G.D.C. Eng., and past grand inspector of Royal Arch Chapters in Rhodesia (English constitution).

MARTIN. — At his home at Glencar, Portadown, Northern Ireland, on August 5, Mr. Alfred Lamont Martin, sen., M.P.S.N.I. Mr. Martin was one of the oldest members of the profession in Northern Ireland. Originally registered under the Pharmaceutical Society of Ireland, he transferred to the Northern Ireland Society in 1926. For many years he was in business on his own account at Market Street, Portadown, in which he was later joined by his son, Mr. Alfred Lamont Martin, jun.

McCANN. — On July 31, Mr. John J. McCann, R.D.N.I., 4 Dunlewey Street, Belfast. Serving his apprenticeship with Mr. S. Suffern, Shankill Road, Belfast, Mr. McCann obtained his certificate as a Registered Druggist from the Pharmacaeu-

tical Society of Ireland and was registered under the Pharmaceutical Society of Northern Ireland in 1926. In 1921 he joined the staff of the Dunville Medic Hall, Falls Road, Belfast, and eventually became a principal of the business.

WILLS

MR. T. W. FAIRBURN, retired pharmacist, Glenroyd, Beacon Park, Pickering, York left £15,586 (£15,546 net).

MR. S. R. PEARCE, Ph.C., 129 Pathfield Road, Streatham, London, S.W.16, left £5,077 (£4,966 net).

MR. R. S. DONINGTON, Ph.C., 22 Welland Terrace, Spalding, Lincs, left £15,176 (£14,488 net).

MR. W. BULLIVANT, 30 West Street, Boston, Lincs, a retired pharmacist, left £6,804 (£6,768 net).

MR. W. F. SMITH, 54 The Mall, Swindon, a retired pharmacist, left £4,755 (£4,696 net).

MR. A. E. HADFIELD, M.P.S., 66 Chorley Road, Parbold, nr. Wigan, Lancs, left £2,762 (£2,712 net).

MR. E. J. LOOSMORE, M.P.S., 3 High Green, Ewell, Surrey, left £4,072 (£3,985 net).

MR. R. WRIGHT, a dispenser, 57 Elmhurst Avenue, Melton Mowbray, Leics, formerly of Leamington, a native of Hinckley, left £2,275 (£866 net).

MR. W. J. BISSET, M.P.S., 49 Parkhill Carshalton Beeches, Surrey, late of Kings Hill Avenue, Kenton, Middlesex, left £5,890 (£2,919 net).

MR. A. NEWTON, M.P.S., 39 Hendford Yeovil, Somerset (a director of Newton & Co. (Yeovil), Ltd., chemists), left £20,050 (£19,965 net).

MR. R. L. SCORGIE, M.P.S., Montrose Bassett Avenue, Southampton, formerly a territorial manager of Boots, Ltd., left £3,719 (£3,155 net).

MR. S. R. WILLIAMS, Morley Villa, Laira, Plymouth, who qualified as a chemist and druggist in 1878 and was for many years in business at Notte Street, Plymouth, left £9,948 (£9,552 net).

MR. R. H. SUTTON, M.P.S., 125 Walton Road, Walton, Ches (formerly governing director of J. Rymer Young, Ltd., Sankey Street, Warrington), left £4,395 (£4,314 net).

PERSONALITIES

MR. R. PATON, M.P.S., Arbroath, aped injury when his car was in collin with a fire engine recently. The car extensivly damaged.

MR. FRANK LOUGHMAN, M.P.S.I., Clonl (a member of Council of the Pharmaceutical Society of Ireland) has been reected a member of the Eire Senate.

MR. F. C. B. SENDALL retired on June after twenty-six years' service with an Medical Supplies, Ltd. He was nager of the drug receivers department.

LORD TRENT (chairman of Boots, Ltd.) this year's president of the Rutland ricultural Society's annual August Mon Show, held at Oakham, Rutland.

Miss I. J. BROWN (Tavistock Road nch pharmacy, Plymouth Co-operative ity, Ltd.) recently broadcast on the ject of Judo in the "In Town Toht" programme of the B.B.C.

MR. H. N. BREAM (a director of Dal- s, Ltd., wholesale chemists, Leicester, chairman of Leicestershire St. John incil) has been appointed president of Leicester Corps of the St. John Ambu ce Brigade.

MR. H. HALL, who was recently elected sident of the Sheffield Branch of the

Pharmaceutical Society, served his apprenticeship with Boots, Ltd. After studying at University College, Nottingham, he qualified in 1931. Rejoined Messrs. Boots, he had a period on relief duties in Lancashire and Sheffield before being ap pointed manager of the Nether thorpe Place, Shef

branch in 1935, later being trans ed to Firth Park Road. Mr. Hall has a member of the Executive Committee of the Sheffield branch for nine rs, a member and later secretary of Sheffield branch of the Association of rmaeitical Employees, employee re entative on the Sheffield Pharmaceutical Committee, and deputy member of the Sheffield Pharmaceutical Services Com ee.



INQUESTS

Apothecaries' Symbol Mistaken. — At an inquest in Belfast recently on a woman who died in hospital after being given fl. oz. 6 of paraldehyde instead of fl. dr. 6, the coroner recommended that apothecaries' symbols on prescriptions should be discontinued. A verdict was returned that death was due to pneumonia following œdema of the lung possibly caused by a toxic dose of paraldehyde accidentally prescribed by the doctor.

Dental Use of Chloroform. — At a fatal accident inquiry held at Glasgow recently on Mungo McAllister, who was found to have died of heart failure while under chloroform on March 20, the jury added a rider that the use of chloroform in dental work was unsafe and should be abandoned. Professor John Glaister, Glasgow University, appearing as an expert witness, said that when chloroform was being used on an open mask, the preparations made for the operation were of the highest importance. There should have been a complete clinical examination.

Rider on Barbiturates Supply. — At an inquest on a forty-eight-year-old man at Huddersfield on May 22, the jury added to their verdict a rider that the regulations for the supply of barbiturates should be tightened. The jury found that death was due to hypostatic pneumonia following an overdose of barbiturate tablets but there was no evidence to show the circumstances in which the tablets were taken. A witness said that he took a bottle of tablets from the victim in a Huddersfield public house as he thought the man was taking too many of them. The coroner stated that the dead man must have been eating the tablets as if they were sweets.

COMING EVENTS

Monday, August 13

INTERNATIONAL PHARMACEUTICAL STUDENTS' FEDERATION, Copenhagen, Denmark. Holiday camp and conference, August 13-23.

Sunday, August 19

LONDON PHARMACY RAMBLERS. Ramble to Devil's Punch Bowl and Golden Valley. From Waterloo 9.47 a.m.

REGIONAL CONFERENCE, BOURNEMOUTH, PORTSMOUTH and SOUTHAMPTON BRANCHES PHARMACEUTICAL SOCIETY, Polygon Hotel, Southampton, November 21. Suggested matters for discussion to Mr. John Swain (secretary, Southampton Branch), 6 Fernlea Gardens, Bassett, Southampton, by September 1.

TRADE NOTES

Surgical Scissors.—Marshall & Jenkinson, 90 Bowdon Street, Sheffield, 1, are specialists in the manufacture of surgical scissors.

Channel Race Choice.—The promoters of the "Daily Mail" cross-channel swimming race, August 13, have again chosen Vacco vacuum flasks, manufactured by Vacco, Ltd., Grosvenor Gardens, London, S.W.1, for use by their officials, umpires and radio commentators.

Feminine Hygiene Tablets.—Ward & Ward (London), Ltd., Hitchin, Herts, are shortly marketing Santronex foaming tablets with applicator for use as a deodorant and antiseptic in menstruation and leucorrhœa. The tablets, which are hygroscopic, are issued in an airtight and waterproof pack in which each tablet is individually sealed.

Approved for N.H.S. Purposes.—The Armour Laboratories (Armour & Co., Ltd.), Lindsey Street, London, E.C.1, have been advised by the Ministry of Health that the penicillin inhalator set which they recently put on the market conforms with the specifications set out in the Drug Tariff, and is therefore allowed on EC 10 prescriptions. The price has been adjusted and is now 16s. 6d. per set (inhalator alone 5s.); refills are available.

Dispensing Pack Discontinued.—Ward, Blenkinsop & Co., Ltd., 6 Henrietta Place, London, W.1, announce that dispensing packs (bottles of 500 c.c. and 2,000 c.c.) of Viacutan solution, and jars containing 200 gm. Viacutan cream, have been restricted to hospitals since July 30. The makers point out that, in order to prevent deterioration, the solution should be stored in well-filled, tightly-closed amber bottles in a cool, dark place. Similar conditions should be observed when dispensing the solution, and all traces of chlorides should be absent from the containers. Metal spatulas and exposure to light and air should be avoided when handling Viacutan cream.

Improved Night Cream.—Max Factor, Hollywood and London (Sales), Ltd., 16 Old Bond Street, London, W.1, have put on the market Night Facial Stik, a night cream that is "just stroked on to the face from the container." The product has been devised to provide a night cream that

was much faster in its penetrating and skin-softening action, "not unglamorous on the face, would not leave cream smudges on pillowslips or hair, and would not have to be removed from under the fingernails after creaming the face.



ges on pillowslips or hair, and would not have to be removed from under the fingernails after creaming the face.

New Products and Packs.—CILABORATORIES, LTD., Horsham, Sussex, announce an important change in the labelling of their hormone injections and tablets under which the products are now labelled with the official B.P. description as their main title, with the brand name in a subsidiary position. The new packs may be supplied on prescriptions calling for the preparation either by its official description or by the original brand name. Hormone Linguelets are being supplied as previously.—MENLEY & JAMES, LTD., 123 Coldharbour Lane, London, S.1, have introduced a new product Drinamyl, a balanced combination of Dexedrine and amylobarbitone claimed to relieve tension. Drinamyl is intended primarily for use in everyday practice for anxiety and simple depressive states associated with overwork, illness, convalescence, etc. It is available in bottles of twenty-five and 250 tablets. Messrs. Menley & James announce the introduction of Vet intramammary iodine, a preparation of iodine in oil for injection in obstinate mastitis cases; the product is issued in bottles of 200 c.c. Literature is available from POND'S EXTRACT CO., LTD., Wadsworth Road, Perivale, Middlesex, have introduced a new lanolin-rich "dry cream" containing a special emulsion and homogenised for maximum penetration. The pack is issued in opalescent with blue lid.



Decorative Ribbon for Packaging.

By laminating rayon filament yarn Clarifoil transparent film, Porthxtiles, Ltd., Dinas Rhondda, Glam, we produced in Silsheen a new decorative ribbon for packaging. The ribbon is available in various widths and finishes, or multi-colour ribbon, plain or embossed.

Biological Stains.—The 1951 price list Michrome brand biological stains, reagents, etc., manufactured by Edward Burr, Ltd., 42 Upper Richmond Road, London, S.W.14, is a 32-page booklet available to chemists on request.

Mirrored-lens Sunglasses.—The Nupro-mirrored-lens sunglasses illustrated are a member of a series of distinctive anti-glare spectacles offered by Nupro, Ltd., 2 Netherwood Street, London, N.W.6. In normal conditions the B2 tinted or dark green Nupro-sal lenses are considered adequate. In intense sunlight the mirrored lenses reflect a high percentage of the incident light. The series comprises glasses of many shapes and colours; the mirrored lenses are available in gold, blue, green, red or silver. A descriptive price list is available. Application should be made to the manufacturers at the address given.

Display Cabinet.—Fred Hartley, Ltd., Keighley, Yorks, have made available to dealers a stock/display cabinet which plays a wide range of parts.



cabinet which
Litesome pro-

Festival First-aid Case.

—A first-aid case specially designed by T. J. Smith & Nephew, Ltd., Neptune Works, Hull, for use in all first-aid rooms of the Festival of Britain exhibitions in London, opens to reveal dressing material and lotions arranged on shelves inside both doors. The central portion holds a stock of replacements. Dressings in the door compartments are packed not more than two deep, and lotions

one deep, to ensure that the full range of equipment is on view immediately the doors are opened. Into the back of the case slide two trays, each containing a full selection of first-aid equipment in easily portable form for taking to the scene of the accident. The white-painted outfit measures $17\frac{1}{2} \times 13\frac{1}{8} \times 8\frac{1}{8}$ in., and holds enough equipment for a factory or office employing over 150 people.

Festival Tapes.—John Gosheron & Co., Ltd., Gayford Road, London, W.12, are offering self-adhesive tapes overprinted with Festival designs in 72-yd. rolls for sealing and decorating packages. Specimens will be sent on request.

Perm-wave Outfit Refills.—The new Pin-up junior-size refill outfit pack contains enough waving lotion, finishing lotion and end tissues for end.curls or a half-head "perm," but does not include curlers. It serves not only as a refill for the popular junior-size outfit, but is also useful to those who wish only to "touch up" odd pieces of hair between whole-head "perms."

Again Available.—The Parisian hair fixative Gomina Argentine is again available in Britain: Distributors Henri L. Jaccaz & Co., 32 Shaftesbury Avenue, London, W.1.

PRICE CHANGES

THE following are notified:—

Duncan, Flockhart & Co., Ltd.

	Wholesale Tax	Retail
Adinol capsules, 25	1 7	2 5
100	5 5	8 2
Ajulax, 4 oz.	1 5	2 8
Atrol, 4 oz.	11	1 8½
16 oz.	2 7	4 9
80 oz.	8 7	15 9
Baumol dusting powder,		
sprinkler	1 1	2 0
½-lb. tin	2 10	5 2
1-lb. tin	4 4	7 11
Bismulait, 4 oz.	2 4	4 3
Boraldehyde, 4 oz.	1 7	2 11
16 oz.	4 10	8 10
90 oz.	25 10	47 4
Cadamel cream, 1-oz. tube	1 5	2 8
Caffedrin, 4 oz.	3 7	6 7
Caffodine, 4 oz.	3 9	6 10
Creodyne, 2 oz.	2 2	4 0
Deciderm ointment, tube	1 9	3 2½
1-lb.	16 2	29 8
Deciderm powder, sprinkler		
...	2 0	3 8
Den-Coll, 3 oz.	2 2	4 0
6 oz.	3 9	6 11
Dermolia, tube	1 1	2 0
Elix'r bromo-valerianate,		
4 oz.	2 0	3 8
Elix'r cardiac, co., 4 oz.	1 10	3 4
Elixir ephedrin, co., 4 oz.	2 8	4 11
Elixir phenobarbital co.,		
4 oz.	2 4	3 2
Elixir pro pertussi, 4 oz.	2 0	3 8
Elixir terpo-cod-sin, co.		
2 oz.	2 2	4 0
Elixir terpo-heroin, co.		
4 oz.	3 5	6 4
Emplasol,		
2 oz.	1 1	1 8
16 oz.	3 7	5 5
Emulsia alkalina, 16 oz.	2 2	4 0
Epicolloid	1 1	1 8
Ferrad'nol, 8 fl. oz.	3 1	5 8
Gastroseda, 4 fl. oz.	2 4	4 3
Haemamol, tube	1 5	2 8
Haemocones, doz.	1 10	3 4
Haemotone, 4 oz.	2 2	4 0
Juvetone, 4 oz.	2 2	4 0
Linimentum stimulans,		
4 oz.	1 1	2 0
Magnesil, 4 oz.	1 3	2 4
Magneslait, 4 oz.	1 3	2 4
16 oz.	3 7	6 7
Magneslait tablets, 30	10	1 6
75	1 7	2 11
Magnol, 6 oz.	1 7	2 11
12 oz.	2 8	4 11
Pectex, 4 oz.	1 7	2 11
Ribex, 4 oz.	1 7	2 11
Ribex (with codeine),		
4 oz.	2 4	4 3
Repellit insect cream, tube	13 6	2 1
Salicinal, 4 oz.	2 2	4 0
Sanatol ointment, tube	1 4	2 5
1-lb.	5 11	10 11
Strumentol,		
16 fl. oz.	2 2	3 3
Thymo-alkalina,		
4 fl. oz.	1 7	2 11
Vitatone,		
4 fl. oz.	2 2	4 0
8 fl. oz.	3 9	6 11

	doz.	ea.
Baumol cold cream, jar	12 11	100
hair cream	12 11	100

	doz.	ea.
Baumol shampoo powder	3 6	33½ 7
shaving soap, stick	21 6	33½ 3 4
shaving stick, refill	11 10	33½ 1 10
skin cream, jar	12 11	100 2 9
tooth-paste	11 4	33½ 1 9
tooth-powder	11 4	33½ 1 9
vanishing cream, jar	12 11	100 2 9

	Gross	Tax per doz.
Robinson & Sons, Ltd.		

Medilintex poultice dressing:

Face and neck dressing, arm and leg

dressing	...	9 9	3 3	1 5
Carton, 11 x 6½ in.	...	19 10	6 7	2 11
Carton, 18 x 8½ in.	...	38 4	12 9	5 8
½-yd. roll, 18 in. wide	7 4	2 5	5 13	0
1-yd. roll, 18 in. wide	14 1	4 8	25 0	

	Pkt. of ten	Pkt. ind. tax
Animalintex poultice dressing (veterinary)	... 32 0 10 8	5 8

	Pkt. of ten	Pkt. ind. tax
Paddi plastic nappy holders	(carton, 12) ... 52 0 Nil	5 9

	Doz. Packets	Pkt. ind. tax
Paddi pads	... 18 6 Nil	2 0
Cellosene squares	... 32 3 Nil	3 6

PROPRIETARY ARTICLES TRADE ASSOCIATION

	Doz.	Tax	I.R.F.
	s. d.	%	s. d.

Alterations to Protected List (Part 1)

Sandersons Chemists, Ltd.

Sandersons vapour rub

(addition)	9 0	33½ 1 3
Nujol	8-oz. 13 0	33½ 2 0

16-oz.	22 0	33½ 3 4
Cream of Nujol	... 32 0	33½ 4 8

with phenolphthalein	32 0	33½ 4 8
Mistol	½-oz. 11 0	33½ 1 8

2-oz.	22 0	33½ 3 4
Stemcol	6-oz. 16 0	33½ 2 5

16-oz.	31 0	33½ 4 9
Mistol with ephedrine,	½-oz. (addition)	11 0 33½ 1 8

2-oz. (addition)	22 0	33½ 3 4
Deletions from Part 1		

Allen & Hanburys, Ltd.

Allenburys magnesia; Salicylysin ointment.

J. G. Ingram & Son, Ltd.

Adaptable enemas.

E. H. Jones (Halen), Ltd.

Halen salts; herbs and honey.

Alterations (Part 2)

R. Demuth, Ltd.

	Revised prices, August 6
Yestamin tablets	100's 15 9 Nil 1 10
	300's 40 0 Nil 4 9

Frozoclene	... 20 4 100 4 3
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THE NEW APOTHECARIES CO., LTD., 565 Virginia Street, Glasgow, G.1, have been elected to

membership of the wholesale section.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

MEETING of the Council of the Pharmaceutical Society was held in London on July 31 and August 1, the president (Mr. C. Wilson) in the chair.

MR. WILSON reported with great regret the sudden death of Mr. Arthur Cairns (one of the Society's inspectors). Mr. Cairns, he said, was one of the original inspectors appointed in 1936, and had served the East of Scotland and the Northeast of England area.

On the recommendation of the Ethical Committee, the Council approved for publication and submission to the Branch Representatives' meeting at Harrogate a further report on maintenance of the register and man-power needs in pharmacy (to be summarised in a forthcoming issue).

Library Hours

The suggestion made at the annual meeting that the Society's library and museum should be open for use by members on one evening a week until 9 p.m. was considered by the Establishment Committee. It was agreed that, as no room could be set aside for use solely as a museum, the museum could not be included in any such arrangement. The Committee called attention to the fact that the library was always open when the Society's evening meetings were held.

A progress report was made on the work done by the Films Committee. Notes had been prepared for the guidance of branch secretaries who might be considering a film evening for their winter programme, giving information on choice of films and programme planning, with specimen programmes. A list of films of pharmaceutical interest had been drawn up.

A letter was received from Dr. D. McCall (resident secretary in Scotland) stating that the Executive of the Scottish Department had considered the amended resolution of the Aberdeen Branch urging that matters applying particularly to pharmacists resident in Scotland should in the first instance be referred to the Executive of the Scottish Department for its consideration and recommendation before a decision was arrived at by the Council, and had decided to support the resolution. The resolution was now returned in the name of the Scottish Department. The Council formally decided to adopt the procedure described in the resolution, which was in accordance with existing practice.

Another letter from Dr. McCall intimated that the Scottish Executive had decided to discontinue the appointment of divisional secretaries.

On an Education Committee suggestion that the president should award council prizes as recommended by the examiners, MR. C. W. MAPLETHORPE said that prizes were the concern of the examiners, who were appointed by the Council, and research scholarships the concern of the committee appointed by the Council. Mr. McNeal asked whether it was advisable that the examiners should come before the committee appointed by the Council to advise the president on the awards. MR. MAPLETHORPE pointed out that the examiners were appointed by and had the confidence of the Council. As the examiners' report was issued at a time of the year when it was unlikely that the Council would be sitting.

The Committee showed concern at comments on the standard of work in practical pharmaceutics made at a meeting of heads of schools of pharmacy and hoped an improvement would result from the increased allocation of time for the subject, and especially for practical work, in the new course.

MR. D. W. HUDSON drew attention to a statement in the report of the Education Committee to the effect that the Committee had agreed that the arrangement whereby candidates were examined in prescription reading during the examination in practical pharmaceutics should be eliminated. He hoped no action would be taken which would result in people who were unable to read manuscript prescriptions presenting themselves as qualified. MR. MAPLETHORPE said that the matter would be brought up at a joint meeting of the examiners to be held in London shortly, and he assured Mr. Hudson that the point would not be lost sight of. MR. HUDSON said it would be simple for heads of schools to arrange for students to have access to current prescriptions.

The committee recommended, and the Council agreed, to make no award in the Scholarships examination, 1951.

Examinations Reports

Reports of examinations held in England and Wales in July were received. In the Intermediate examination there were 415 entrants, of whom 168 passed,

138 failed, 100 were referred, and nine were absent. Of ninety-one candidates who entered for a referred subject forty-four passed, forty-five were again referred, and two were absent. For the Chemist and Druggist Qualifying examination 234 candidates entered and 106 passed, seventy-one failed, fifty-two were referred, and five were absent. Eight out of thirteen candidates passed in a referred subject and four were again referred. In the Pharmaceutical Chemist Qualifying examination eighty-four candidates entered and thirty-two passed, twenty-eight failed and twenty-four were referred. Of fourteen entrants for a referred subject eleven passed, two were referred and one was absent. Twelve out of thirteen entrants passed in the examination for forensic pharmacy only, one was referred.

The Benevolent Fund and War Aid Committee's report showed that grants amounting to £190 10s. had been made to five widows and one member. The Council approved recommendations for grants amounting to £410 to two other widows and a member. From the War Aid Fund a grant of £52 was made to one applicant, and a recommendation for a grant of £191 in another case was approved. The receipt of three legacies to a total value of £484 was reported. The Committee recommended, and the Council approved, that a gifts account should be opened in the Birdsgrove House Fund, and that the Birdsgrove House subcommittee should be authorised to expend its moneys at its discretion on improving or adding to the amenities of Birdsgrove House.

Law Committee

The Law Committee's report stated that there appeared to be considerable misunderstanding by pharmacists as to the extent of the exemption granted in respect of the sale of sulphonamides in the form of surgical dressings. It was decided to publish a reminder of the limitations.

After consideration by the Publications Committee of a resolution passed at the annual meeting that the "Pharmaceutical Journal" should refuse to accept advertisements offering pharmacists salaries of less than £700 a year, unless it was made clear that a young and/or recently qualified pharmacist was required; the following statement was approved for publication:—

"The spirit of the resolution is accepted and welcomed by the Council as it embodies and supports the principle that remuneration cannot

be divorced from status. It has long been policy of the Council that this principle should be borne in mind in accepting advertisements in the "Pharmaceutical Journal," but the extent to which and the manner in which it should be applied depend upon the circumstances. There are in existence negotiating bodies dealing specifically with questions of remuneration and appearance must be avoided that the Council is attempting to set up the Society as a rigid body. Without prejudice to the power of the Society to concern itself generally with such questions the Society can be of special assistance in protecting the pharmacist in cases where otherwise he would be at a disadvantage owing to the absence of effective alternative representation. In any case the terms of the resolution do not leave themselves to satisfactory application because the general minimum does not take into account varied circumstances. That this was realised by the meeting to some extent is shown by the reference in the resolution to young or recently qualified pharmacists. The resolution will nevertheless have served a valuable purpose if, as the Council believe, it may be taken as an indication of the concern of the meeting that general speaking pharmacists should be better paid."

Increased Subscriptions

On the recommendation of the Publications Committee, the Council agreed that from January 1, 1952, the subscription rates for the "Pharmaceutical Journal" should be increased to £3 3s., and the rate for single copies to 1s. 6d. It was also agreed to adopt new rates of subscription, from January 1, 1952, to the "Journal of Pharmacy and Pharmacology," to include the binder if required.

The Finance Committee recommended and the Council approved that the action of the secretary in making payment amounting to £3,317 7s. 1½d. and the action of the treasurer in paying account amounting to £26,616 3s. 10d. should be approved.

THE REGISTRAR (Mr. F. W. Adams) reported that since the previous meeting fifty-six persons had been registered as apprentices or students, making a total of 362 in the current year. The names of thirty-one pharmacists removed from the registers were restored, together with their addresses of fifteen premises. Five applications for registration under reciprocal arrangements from pharmacists formerly resident in Northern Ireland, South Africa, Queensland, and New Zealand (2) were approved, together with eight applications under the regulations for registration of foreign pharmacists. At the conclusion of the meeting the president reminded the Council that they had decided to meet on October 9 and 10.

THE LATE MR. P. C. CAHILL

WITH the sudden death on August 2 of Mr. Patrick Columba Cahill, M.P.S.I. (a member of the Council of the Pharmaceutical Society of Ireland) at the age of forty-six, the pharmaceutical profession in Ireland lost one of its most prominent and able members. For some months illness had confined him to his home, 25 Wasdale Park, Terenure, Dublin, but recently he had recovered sufficiently to attend at his office at Bachelors Walk, Dublin, for short periods.

Like his father, Mr. Arthur Cahill, M.P.S.I., with whom he began his career in pharmacy, Mr. P. C. Cahill was an ardent Gaelic enthusiast and a keen worker for an Irish industrial revival, particularly in pharmaceutical products. After qualifying in April 1928 he opened his own retail business at Whitehall, Dublin, but later decided to go entirely into the wholesale and manufacturing sides of the business. He was one of the founders of Irish Pharmaceuticals, Ltd., Rice Steele & Co., Ltd., and other native pharmaceutical enterprises before establishing at Bachelors Walk the business of P. C. Cahill & Co., Ltd., wholesale chemists, of which he has been managing director since its formation.

Since joining the Council in 1934, Mr. Cahill had held every office of the Pharmaceutical Society, being vice-president, 1937-40, president, 1940-42, and treasurer, 1943-45. At the time of his death he was vice-president of the Wholesale Drug Federation of Ireland and was due to go onto the chair in 1951. Mr. Cahill was also a director of the Irish Sugar Co., and the Pharmaceutical Society's representative on the Government Therapeutic Substances Committee. His last attendance at a Council meeting of the Pharmaceutical Society was in April, when he reported on the acquisition of the new premises at Ballsbridge, a project over which he was enthusiastic. When his term of presidency ended he had a drawing of himself made

by Mr. Sean O'Sullivan, R.H.A., and presented it to the Council, an innovation that has been followed by successive presidents.

Mr. T. C. Scott (president, Pharmaceutical Society of Ireland) writes: "Irish pharmacy has suffered a tremendous loss in the death of Patrick C. Cahill, one of the ablest and most gifted members of our Council. A man of the highest ideals and outstanding character, he was held in the greatest esteem by us all. During the years he served as vice-president, president, and later as treasurer, he showed himself to be a man of exceptional gifts as an administrator. The fact that the Society is in such a healthy condition today is largely due to the work of men of the calibre of P. C. Cahill. We all at Lower Mount Street feel his death as a grievous personal loss, which creates a void it will be difficult, indeed, to fill. To his dear ones we extend our deepest sympathy."

A first-rate speaker, with a keen, logical mind that grasped quickly the essentials of any problem, he had that admirable quality of being able to see and appreciate the other man's point of view, and brought a happy and comradely spirit to his social activities.

The funeral was from St. Joseph's Church, Terenure, on the morning of August 4. President Sean T. O'Kelly occupied a special place within the sanctuary at the Requiem Mass, and others present included the Prime Minister (Mr. de Valera), deputy Prime Minister (Mr. Sean Lemass) and Minister for Defence. A delegation from the Council of the Pharmaceutical Society of Ireland was headed by the president (Mr. T. C. Scott) with Mr. J. Gleeson (treasurer) and Mr. James G. Coleman (registrar). The Irish Drug Association was represented by its president, secretary, and many members. Representatives were also present from the Wholesale Drug Federation of Ireland; P. C. Cahill & Co., Ltd.; Irish Pharmaceuticals, Ltd.; Rice, Steele & Co., Ltd.; The British Drug Houses (Ireland), Ltd.; Irish Chemists' Golfing Society; and Benevolent Fund Dance Committee. Among those attending from the provinces were Mr. and Mrs. K. W. Whelehan, Mullingar.

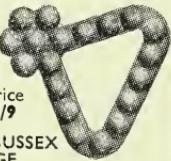


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THE CHEMIST AND DRUGGIST

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L. CLVI AUGUST 11, 1951 No. 3729

"Safe" Bottle Feeds

The problem of preparing "safe" infant feeds in feeding bottles is not new. Various methods of cleansing bottles, teats and valves have had their advocates, and each school of thought claims that its method is the only one to safeguard the baby from absorbing pathogenic bacteria. Surprisingly enough, research work in this field in Britain has been somewhat scanty, though in United States many investigators have been working on the problem, and public health authorities have laid down standards for permitted maximum counts of bacterial colonies.

In the "British Medical Journal" (July 1951, p. 138) Dr. Joyce Wright, a member of the Medical Research Council's scientific staff, gives an account of the bacterial flora counts of 300 infants' bottle feeds prepared in two children's hospitals, one infectious disease hospital, three residential nurseries, one out-patient department and one infant welfare clinic. The composition of the feeds was varied, and included preparations of roller-dried and spray-dried cows' milk, liquid cow's milk, expressed breast milk, thickened feeds, special products and clear fluids.

The bacteria isolated, in order of frequency, were micrococci and sarcinae; acid spore-bearing bacilli; achromobacteria and chromobacteria; streptococci; *Escherichia coli*; yeasts; *Ps. pyocyanus*; *Staph. aureus* (coagulase positive); and *Proteus*. It is significant that, out of eighty-three feeds prepared in private households, only 12 per cent.) had colony counts of zero

and twenty (24 per cent.) had counts exceeding 1,000,000 per ml. Methods employed in America for the preparation of infant foods, both in hospital and in the home, are discussed. They include non-pressure heating at 100° C. for half an hour of the filled bottle covered with teat and valve, and pressure heating at 110° C. (6-lb. pressure) for ten minutes. It is recommended that when the feeds are made up precautions should be taken to ensure cleanliness, though aseptic technique is not expected, and feeds should be placed in clean (not necessarily sterilised) bottles and covered with teat and valve. The bottle is then submitted to one of the terminal heat-treatments already mentioned. It is further urged that the treated bottle should be immediately cooled and, if kept for some time, stored in a refrigerator, for it has been demonstrated that, while either method of heat treatment destroys pathogens, it does not destroy heat-resistant spores; hence the need for cooling and storage at low temperature.

The recommended terminal heat treatments do not significantly alter the chemical composition of milk feeds, and only small losses have been noted in heat-labile substances such as ascorbic acid, thiamine, and lysine. Exposure to 121° C. (15-lb. pressure) for fifteen minutes, however, while producing sterile feeds, has been shown to cause unwanted physical and chemical changes to milk constituents.

The author comments on the digestive disturbances suffered by babies receiving bacterially-contaminated feeds but states that, except in a few instances of gross contamination, the evidence was not sufficient to incriminate the feeds. The subject is worthy of further investigation, though difficulties would be encountered in obtaining samples of home-prepared feeds.

From the evidence of the report, it seems to us that the practice of some mothers of storing 6 a.m. feeds in vacuum flasks may be dangerous. Apart from the obvious difficulties in sterilising the inner surface of the flask and the cork, any bacteria present may be effectively incubated during the night, resulting in gross contamination by the early morning. Vacuum vessels

partially filled with boiling water have been used for warming the filled feeding bottle used in the early morning feed, though, in the absence of a refrigerator for storage during the night, it would appear that the only satisfactory way is to prepare the food immediately prior to each feed and to subject the filled and closed bottle to terminal heating.

"Overage" in Ampoules

DIFFICULTIES in regard to "overage" in ampoules were overcome when the Home Office lifted the ban on issuing ampoules containing an excess of the prescribed dose of Dangerous Drug. Inquiries by makers of ampoules, however, show that some of them have been trying to find an amendment to the Dangerous Drug Regulations that removes the cause of the former *impasse*. Not surprisingly they cannot because, as stated in our issue of February 25, 1950 (p. 245), the answer to the "overage" problem was a simple matter "within the existing regulations," provided that the total amount of "drug" was declared upon the label in accordance with D.D. requirements. In fact the proper labelling procedure has always been routine practice in the case of the ampoule-syringes, standardised to "deliver" gr. $\frac{1}{2}$ of papaveretum, that must form part of a ship's medical stores.

The Poisons Rules 1950 (S.I., 1950, 1214) legalise orders for "overage" ampoules labelled in accordance with D.D. Regulation 10 (1) (b) (ii) and Poisons Rule 19(5). They do so by amending Poisons Rule 7 (3) (a) so that a "signed order" may state "in the case of an article packed in ampoules, either the said total quantity or the total quantity intended to be administered or injected." A new paragraph (f) is added to Poisons Rule 12 permitting prescriptions for ampoules containing Fourth Schedule poisons to indicate "the total amount to be supplied or the total amount intended to be administered or injected, and, in either case, the amount intended to be administered or injected in each dose."

Overage in ampoules became a statutory requirement on September 1 via the Addendum 1951 to the British Pharma-

copœia, 1948. "A single-dose container a parenteral injection" must contain volume in excess of the nominal volume set out in the Table on p. 100. The amount of the excess ranges from a maximum of 12 per cent. for a 0.5-mil to 1-mil container of a "viscous" fluid to a minimum of 2 per cent. for 20 mils or more of "mobile" liquid. First Schedule poison (though not mentioned apart from Rule 7) are of course subject to overage requirements when B.P. injections are supplied in the form of single-dose ampoules.

The manner of making this important change is typical of the devious ways of poisons law in which the obvious (i.e., the "D.D.") concession is not mentioned in the expected regulation but has to be sought out in an unlikely rule.

International Opium Monopoly

A PLAN elaborated by the Commission of Narcotics Drugs of the United Nations was approved by a joint committee of the principal opium-producing countries and the principal drug-manufacturing countries at a meeting in Geneva during August 1950. It was agreed that the international trade in opium should be governed and operated by an international opium monopoly, working in co-operation with national opium monopolies in the various producing countries, which had agreed to limit production to world requirements calculated by a central co-ordinating authority. The monopoly would take over the stocks of opium in the producing countries and, by governing all legitimate trade, isolate and expose the channels of illicit traffic. On the assumption that the annual sale of opium would represent a turnover of some \$ million a year, it was decided to request the Secretary-General of the United Nations to approach the General Assembly during its fifth regular session for adequate funds for financing the preparatory work for the establishment of the International Opium Monopoly. It was hoped that an interim agreement would be opened for signature this month (August 1951), so that the monopoly would be set up on provisional and restricted basis during the latter part of 1951.

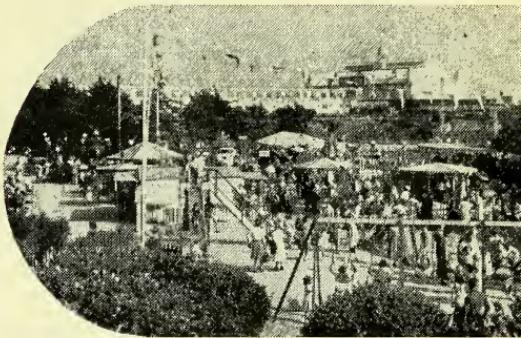
THE CHEMIST AND DRUGGIST

nds an interviewer to

OUTHEND-ON-SEA

n the first of a series

visits to find out



what chemists are thinking

ARE members of the Pharmaceutical Society as apathetic as this year's council election results suggested. On what pices of professional or trade interest do embers hold strong views? Are those ews being properly voiced? To find the swers to those questions THE CHEMIST AND DRUGGIST appointed an editorial inter-ewer, selected at random a number of ntries of population for him to visit, id asked him to call on half a dozen local armacists in each in order to "feel the ilse" of current opinion. His first visit as to Southend-on-Sea, a seaside resort ar enough to London to cater in the ason for thousands of "day trippers" as ell as regular holiday-makers, dormitory r several thousand London office-workers, id with a total population of about 0,000. What some of the chemists said summarised below.

Rebel of Pharmacy

MR. LIONEL SMEDLEY (Smedley & elph, Ltd., 1510 London Road, Leigh) id "I expect I should be labelled a rebel pharmacy because I differ with many my colleagues on some fundamental matters relating to pharmacy. First, my opinion is that the pharmacist in general tail business can never be a professional an in the truest sense of the word. He

I suggest, a business man with a particular technical background—in fact a chnician. (The truly professional man a consultant and gives advice). The oner some pharmacists wake up to these cts the better it will be for them." The Society's policy on education, said

Mr. Smedley, was an attempt to put the pharmacist on a professional footing. "Produce your expert and specialist, if you like, but what is also required is the chemist and druggist with a sound and appropriate technical knowledge and a thorough business training. Don't try and dress him up as a professional consultant."

Mr. Smedley's experience has been that there is no serious shortage of either qualified or unqualified staffs. The main difficulty is accommodation. Recently he advertised a position "with accommodation" and received no less than seventy applications; an advertisement of a similar post without accommodation received not a single reply.

Mr. Smedley always votes at Council elections but had to admit he knew little or nothing about the candidates or their policies. He would prefer one vote in a territorial election, with candidates who could be contacted when necessary. "The Council of the Society, it would appear, is something apart from the average member and occupies itself with its own ideas on education and its statutory powers; it is of no help to me in my business. I approve the work of the National Pharmaceutical Union but regret that it is unable to recognise, and give due representation to, employee pharmacists."

Scotland's Lead Admired

MR. SYDNEY F. BODY (Body's Pharmacies, Ltd., 165 High Street, Southend) said that the company's National Health Service business was well organised and running smoothly. There were no complaints

from the public and co-operation from doctors was satisfactory. The rota system (open till 7 p.m.) worked well. Arrears of final settlement were about ten to eleven months. Scotland had done well over remuneration by solidarity and by taking a firm stand—England should do the same. The cost of dispensing was steadily increasing, and remuneration should move with it. Over-the-counter sales of packed proprietaries, which had at first declined, were now showing a slight recovery.

A Class of "Controllers"

With the higher standards of education adopted as the policy of the Society, Mr. Body thought that entrance to pharmacy would be narrowed. Was the Society tending rather to overlook the inevitable survival of commercial pharmacy? The higher grades of qualification would introduce a class of "controllers" of mostly feminine unqualified staff. It was doubtful whether the highest grades of coming pharmacists would be appropriately equipped for retail business—at least in some respects. The M.P.S. standard, modernised and brought up-to-date, plus a good commercial background, was what was required.

Mr. Body was not convinced that a Council elected on a territorial basis would necessarily be ideal, though he admitted that, at the election this year, he had a slight knowledge of only two of the candidates and decided not to take risks, so voted for "the old birds."

The National Pharmaceutical Union, said Mr. Body, had the confidence of the retailer, but he thought the Chemists' Federation was carrying the banner too high, by becoming "frantically ethical." Carried to the extreme, the C.F. policy would not be adopted by the multiple shops "and if they won't comply we can't afford to."

"The Government's threat to ban price regulation is utter lunacy. The policy is a political manoeuvre and a sop to the trade unions and the 'co-ops.' A tremendous fight must be put up against this sham effort to reduce the cost of living." He regretted that the misleading statements about "monopolies, excessive profits and restrictive practices" which had recently appeared in the daily Press had not been answered by giving the facts.

MR. E. BUNTING, London Road, Southend, said the recent small increase in National Health Service payment had made him wonder how much he had lost, as dis-

pensing costs had been going up for long time and were still increasing. Now prescribing was coming back slowly, the public preferring to purchase medicines at the pharmacy rather than waste time in the doctors' surgeries. While not in favour of the introduction of health centres he considered that in a few of the country's largest cities they would have a use in providing expensive and exceptional products and articles, and for dispensing urgent medicines after the normal late rot time at shops.

Mr. Bunting was convinced that apprenticeship should come before qualifying. He deplored the tendency to belittle the M.P.S. standard, and was against "dilution" in any form. On the subject of Council elections, he said there was no doubt that the solution to the apathy of members as reflected in the small minority poll was territorial representation, under which every district would know its own member who in turn would know the needs.

The National Pharmaceutical Union had worked hard and with success on behalf of retail pharmacy, but he thought it still adhered to old "gentlemanly" methods of negotiating. He would like to see it take stronger line and was confident pharmacists would back up the N.P.U. if the should follow Scotland's lead.

"Disgraceful" Plan

MR. W. H. PILE, M.P.S., manager of Longthornes, Ltd., 779 London Road, Westcliff-on-Sea, confirmed the general opinion of other pharmacists interviewed in the district that the dispensing service was working well but under constant pressure. Stocks had had to be increased as so had the staff—mostly of unqualified men and women. Something should be done to bring the payments to chemists more in line with their current expense.

The C.F. scheme needed strengthening in some respects, and he would like to know if the manufacturers of some C.F. lines put up the identical product, non-C.F., under a different name and label? Efforts to make C.F. products recognisable to an untrusted by the public would be appreciated and would help to make the scheme effective. The aim should be to have the purchaser think "That item must be good, it is a C.F. article" and the seller (whether the "boss" or the most junior saleshand "I can recommend this, it is a C.F. line."

Of Council elections Mr. Pile said "I have never yet cast a vote although each

ar I have tried hard to come to a decision. In the end I have had to refrain because I knew nothing of the candidates. It should be possible to meet and hear at least some of the candidates—with the least possible inconvenience to retail members bearing in mind their work.

"One cannot but be disturbed at what I certainly follow if price regulation of hundreds of products stocked by chemists is forbidden. The most disgraceful result will be the upsetting of prices of goods on which the unfortunate traders have paid purchase tax on values fixed by the authorities, and which may now become liable to heavy discounting, at the expense of the retailer."

Need for Health Centres

MR. CHARLES W. BRUCE (Bruce the Chemist, West Road, Westcliff-on-Sea) said there is certainly no need for health centres in that part of Essex. Since the coming of the National Health Service, cash sales in chemist lines were down a little and every week brought higher costs and expenses of dispensing. That should be emphasised to the Ministry. On educational policy he thought the Council was aiming far too high. Its policy would tend to produce ever qualified people and of types unsuitable for retail work. More consideration ought usefully be given to improving the commercial and business training of candidates for pharmacy. No further cuts in dispensing remuneration under the National Health Service could be tolerated. Dispensing was arduous, exacting, responsible work, which should be adequately remunerated. He would like to see C.F. strengthened and widened in scope. He deplored the proposal to break up price regulation. Such a development would be harmful to retailers, manufacturers and wholesalers but, ultimately, must adversely affect conditions of employees, and could yield no lasting benefits to the public.

"The price upset entailed will only bring with it dissatisfaction, suspicion, bad feeling and losses." Mr. Bruce considered that the policy was part of a plan to create impossible conditions for independent traders, so that at a later date the Government could step in and take over retail distribution. At the same time, he thought that in a few instances manufacturers were to blame for the attack—they had been making steadily increasing profits which they had not passed on to consumers in the form of price reductions.

INDUSTRIALISTS AND ECONOMIC SITUATION

THE Federation of British Industries has issued a statement criticising the Government's proposals for dealing with the economic situation, which are described as "negative, irresponsible and harmful to the country's long-term interests." So far as they contemplate any positive action the proposals amount to little more than an attempt to suppress one or two symptoms of inflation, and they will only operate to conceal the disease. They disregard the necessity of maintaining a free flow of capital into industry, encourage efficiency, and preserve an international financial market in Britain. The present adverse balance of overseas payments, aggravated by a rise in the cost of imported materials and foodstuffs, must be redressed by an increase in exports or a reduction in imports. The main inflationary pressure derives from the high level of spending, itself inflated by the needs of defence and the scale of Government expenditure. The total output of goods and services is insufficient to maintain the present level of consumption, including capital outlay, and there can be no remedy in the long term except higher productivity or reduced consumption.

"Prices advance with rising costs, and profits inevitably must bear a relationship to current price levels," says the statement, which adds that profit is a small element in price but an essential factor in the maintenance of industry. Mainly from profits are the funds found for the greatly increased working capital necessitated by the rise in price levels and to finance modernisation and development. "As a direct means of reducing purchasing power and inflationary pressure, the limitation of dividends is admitted on all sides to be insignificant." Distributed profits have shown a far lesser increase than almost any other form of personal income, and the very people who voluntarily observed restraint are now to be penalised. Industry is already seriously perturbed about the ability to provide the capital to maintain operations; the creation of difficulties in raising new capital will make the situation more grave, and will influence British capital to seek an outlet overseas. Foreign capital will not come to this country, and confidence abroad in Britain's financial stability will be shaken.

BIOLOGICAL LABORATORY METHODS

By Edward Gurr, F.R.I.C., F.L.S., F.R.M.S.

THE writer is endeavouring, in the limited space available, to give the maximum amount of information regarding the practical application of biological techniques. Other methods will be found in the author's booklets "Microscopic Staining Techniques"** which deal with plant and animal histology as well as bacteria, protozoa, etc. Many excellent textbooks dealing with biology are available, but it is not always convenient for the laboratory worker to extract the essential practical details he may require at the moment without wading through pages of theory which may not be of immediate interest. It is hoped that this article will be of interest not only to the practised laboratory worker but also to the beginner and the student of biology. The author firmly believes that a sound theoretical knowledge of any scientific subject, with the possible exception of mathematics, should be based on and preceded by practical work. In the author's opinion the orthodox method of teaching biology, chemistry and allied subjects by which lectures on theory precede practical work is the wrong method, although it is the accepted one. He believes that a few hours' practical work in the laboratory followed by a certain amount of reading and guidance on theory would endow the student with a more certain grasp of the subject than a whole course of lectures. This is contrary to the orthodox and accepted method, but can it not be said that too many of us are ready to accept the orthodox without question? Teachers of science would do well to give serious thought to possible changes of method when planning a curriculum which includes practical work.

* No. 1 (24 p.), 1s. 6d. No. 2 (62 p.), 3s. 6d. No. 3 (64 p.), 3s. 6d., obtainable from Edward Gurr, Ltd., 42 Upper Richmond Road, East Sheen, London, S.W.14.

Staining of Spirochaetes

METHOD A

Solutions required:

- (a) Potassium permanganate 1 per cent. aqueous.
- (b) Methyl violet 10 B 2 per cent. aqueous.

Technique:

1. Fix air-dried films by flaming in the usual manner.
2. Immerse the preparation in potassium permanganate solution for ten minutes; then wash with distilled water.
3. Stain with the methyl violet solution for from

seven to ten minutes; then wash with distilled water; blot dry, and examine.

Results: Spirochaetes, bluish-black and well defined.
Note: With *Treponema pallida* best results are obtained by warming the potassium permanganate solution on the slide.

METHOD B

Solutions required:

- (a) Tannic acid, 20 gm.
Alcohol 95 per cent., 20 c.c.
- (b) Glacial acetic acid, 1.5 c.c.
Formalin, 20 c.c.
- (c) Safranin O, aqueous 1 per cent.
- (d) Light green 1 per cent. aqueous.

Technique:

1. A loopful of the material suspected of containing spirochaetes is mixed with a drop of 5 per cent. acetic acid on a coverslip.
2. Invert the coverslip over the cavity of a wet slide and place in the incubator for fifteen minutes.
3. Spread the drop on the coverslip into a smear with a wire loop; then allow it to dry in air.
4. The film should now be flooded with a freshly prepared mixture consisting of one volume of solution A and two volumes of solution B, and steamed for two to five minutes.
5. Wash with warm distilled water; then stain with safranin for from four to eight minutes.
6. Wash with distilled water; then counterstain with light green.

Staining of Bacterial Spores

METHOD A

Solutions required:

- (a) Malachite green, aqueous, 2.5 per cent.
- (b) Safranin O, aqueous, 0.25 per cent.

Technique:

1. Dry the bacterial films by gently heating over a bunsen flame.
2. Heat on a steam bath until water condenses in droplets on the bottom of the slides.
3. Flood films with malachite green solution and heat gently on the slide for about two minutes.
4. Pour off excess stain; then wash well with water and drain.
5. Counterstain with safranin solution for about one minute; then wash with water; drain; blot dry and examine under the oil immersion objective.

Results: Spores are stained green while negative forms are red.

METHOD B (DORNER'S METHOD)

Solutions required:

- (a) Carbol fuchsin (Ziehl Neelsen).
- (b) Nigrosin 10 per cent. aqueous, 50 c.c.
Formalin, 0.25 c.c.

Technique:

1. Make a heavy suspension of the culture in a small test-tube with three drops of distilled water and three drops of carbol fuchsin.
2. Heat on a boiling water bath for ten to fifteen minutes.

3. Mix one loopful of the stained preparation with one loopful of nigrosin on a slide; spread into thin film and dry rapidly. Examine under the oil immersion objective.

Results: Spores are stained red, while the bodies of the bacteria are almost colourless against a dark grey background.

Detection of Magnesium in Plant Cells

Solutions required:

(a) Titan yellow, special for magnesium test, 0.2 per cent aqueous.

(b) Sodium hydroxide, 10 per cent. aqueous.

Technique:

1. Paraffin sections are fixed to slides, dewaxed and brought down to water in the usual manner; or freehand sections of fresh material may be employed.

2. Add one or two drops of titan yellow solution, to the preparation, followed by an equal number of drops of the sodium hydroxide solution and mix by rocking the slide gently.

Result: If magnesium is present it is indicated by a red coloration.

Demonstration of Hemosiderin by the Quincke Reaction

Solutions required:

(a) Ammonium sulphide concentrated solution, 10 c.c.

Absolute alcohol, 30 c.c.

(b) Basic fuchsin 0.5 per cent. in 50 per cent. alcohol.

Technique:

1. Material should be fixed in neutral formalin to 10 per cent. or in absolute alcohol. Either paraffin wax or collodion embedding may be employed.

2. Take sections down to distilled water, then immerse them in the ammonium sulphide solution from two to forty-eight hours.

3. Rinse thoroughly in distilled water.

4. Stain in the basic fuchsin for five to twenty minutes; then wash in distilled water; drain well; rinse in 80 per cent. alcohol.

5. Differentiate and dehydrate in absolute alcohol; clear in xylol, and mount in D.P.X.

Results: Hemosiderin, dark brown to black.

Chromosomes, etc., in Plant Tissues

Solutions required:

(a) Iodine green, 2 per cent. aqueous, 50 c.c.

Acetic acid 1 per cent., 1 c.c.

(b) Rubin S 1 per cent. aqueous.

Technique:

1. Stain sections six to seven hours in the iodine green solution.

2. Wash with water until the stain is almost entirely removed from the non-lignified elements, controlling by examination under the microscope while the preparation is still wet.

3. Rinse in water; then stain for five to ten minutes in rubin S, controlling by examination under the microscope to ensure that the green is not extracted from the lignified tissues.

4. Wash rapidly in 95 per cent. alcohol, followed by absolute alcohol.

5. Clear in clove oil; then pass through xylol and mount.

Results: Cytoplasm and plastin: light red. Chromosomes and nuclei: green.

Demonstration of Blood Corpuscles, Malaria Parasites, Trypanosomes, etc.

METHOD A

Solution required: Leishman stain.

Technique:

1. Air-dried blood films are stained, without prior fixation, for one minute with 0.5 c.c. of Leishman solution.

2. Dilute the stain on the slide by adding 1 c.c. neutral distilled water and rock gently to ensure thorough mixing.

3. Allow the diluted stain to act from seven to ten minutes; then pour off.

4. Wash and differentiate with neutral distilled water for about one minute until the film appears pink to the naked eye.

5. Blot gently and dry in air, and if it is desired to preserve the preparation without fading add a drop of DPX mountant and cover with a cover-glass.

Results: Erythrocytes, yellowish red. Polymorphonuclears: dark purple nuclei, reddish violet granules, pale pink cytoplasm. Eosinophiles: blue nuclei, red to reddish orange red granules, blue cytoplasm. Basophiles, purple to dark blue nuclei, dark purple to black granules. Lymphocytes, dark purple nuclei, sky blue cytoplasm. Platelets, violet to purple granules. Malarial Parasites and Leishmania, chromatin red, cytoplasm blue. Trypanosomes, chromatin red.

METHOD B

Solution required: Giemsa stain.

Technique:

1. Fix thin air-dried blood films in pure methyl alcohol for five minutes; then blot dry.

2. Flood the preparation with a freshly prepared mixture consisting of one volume of Giemsa stain and twenty-five volumes of neutral distilled water and allow the stain to act from twenty minutes to an hour.

3. Pour off excess stain; wash with neutral distilled water; then blot and dry in air. If it is desired to preserve the preparation for some considerable time without fading, place a drop of DPX mountant on the film and cover with a cover-glass.

Results: Nuclei of the leucocytes are stained reddish purple, while the rest of the leucocytes appear similar to Leishman-stained preparations. Cytoplasm of plasmodia, blue. Chromatin, red.

Exchange Restrictions Abroad.—A fifth edition (May 1951) of "British Exports and Exchange Restrictions Abroad" has been published by the Swiss Bank Corporation in London. The booklet gives most comprehensive information on exchange rates, payment agreements, and exchange control regulations. Limited copies are available on application to the Bank at 99 Gresham Street, London, E.C.2.

REPORT ON ADVERTISING OF DISPENSING

At the annual meeting of the Pharmaceutical Society, 1951, a motion on the Statement on Matters of Professional Conduct dealing with the advertising of dispensing services was referred back to the Council for further consideration. The paragraph the Council desired to have amended is worded as follows:—

“7. Advertisements to the public should not refer to dispensing services, provided that this shall not apply to the use of the description ‘Dispensing Chemist’ or to the exhibition of a notice at any premises stating that dispensing is carried on there.”

and the amendment:—

“Advertisements to the public should not refer to dispensing services provided that this shall not apply to the exhibition at any premises of the description ‘Dispensing Chemist’ or to a notice stating that dispensing is carried on there. Any such description or notice should be of no greater size than will serve to identify the premises as a pharmacy.”

History of the Proviso

When the Council submitted to the Branch Representatives' meeting in 1943 the suggestion that dispensing services should not be advertised, the proposed paragraph did not contain the proviso which became part of the paragraph in its final form. This was added following consideration by the Council of the discussion which took place at the Branch Representatives' meeting. The question was there raised whether a pharmacist would be able in view of the proposed wording to use the description “dispensing chemist” on his facia or put in his window a notice about dispensing. It was in order to remove any doubts on these points that the proviso was added. The wording does not, however, expressly limit the use of the title to the facia or other part of the premises and is admittedly ambiguous. In practice the use of the description in advertisements has not been regarded as a departure from the paragraph.

In an inquiry into a complaint of misconduct arising out of the advertising of dispensing services the Statutory Committee pointed out that, as in practice the wording has been interpreted to allow the use of the title “dispensing chemist” elsewhere than on premises, it might be considered, as it was by the respondents in the case in question, that an advertisement showing a picture of a pharmacist dispensing amounted to no more than a statement that the advertiser was a dispensing

chemist. Having come to the conclusion that such a picture was not consistent with proper professional conduct, the Committee said that the Council might feel that the ambiguous wording should be revised and submitted to an annual meeting of the Society. It was in order to remove the ambiguity and any support it gave to conduct which the Statutory Committee regarded as inconsistent with proper professional conduct that the Council decided to put forward the amendment which was submitted to the annual meeting. Criticism was voiced at the meeting against the proposed new wording on the ground that it would prevent the use of the words “dispensing chemist” altogether or at any rate on labels, billheads, in telephone directories and so on. These views arise from a misunderstanding of the purpose of the paragraph. It deals with advertising and advertising only. Actions which are not advertising are not affected so that no use of the title which does not amount to advertising is involved. It is not always easy to decide whether or not a particular action is advertising. The sphere with which the paragraph is concerned, namely, professional advertising, has, however, traditionally been the subject of attention, and there are sufficient precedents to act as a reliable guide in the matter of the use of titles. It has never been suggested, for example, that in any profession the mere use of a title on letter headings, billheads, labels, telephone directories, constitutes advertising, and in the Council's opinion no such use of the title “dispensing chemist” could reasonably be regarded as advertising. It was because the Council assumed that this would be understood by the meeting and was in any case by implication referred to in the extract from the statement of the chairman of the Statutory Committee in the Council's explanation that no mention was made of it in submitting the amendment to the meeting.

Advertising and N.H.S.

A further criticism of the amendment concerned its alleged effect on the exhibition of notices under the National Health Service. In fact, the paragraph in both its original and amended forms deals only with the actions of pharmacists and does not apply to official notices. The Council adhere to their view that the present am-

gious position regarding the use of the term "dispensing chemist" in relation to advertising should be resolved in favour of the disuse of this term in any circumstances which could reasonably be regarded as advertising otherwise than upon premises where dispensing is carried on, and for this reason the limitation under restricted conditions of its use to premises

HEALTH SERVICE IN

MEETING of the Northern Ireland General Health Services Board, held in Belfast on July 25, agreed to send to the Attorney-General papers relating to prescriptions (shown to members) which appeared to contain unauthorised alterations. The majority of the prescribers elected had stated that they had not made the alterations nor authorised anyone else to do so. Several confirmed that the quantities on prescriptions differed from quantities usually ordered by them. In a few cases the alterations had subsequently been initialled by the prescriber. The Board's pharmacist reported on an interview he had had with the chemist and his assistant, from whom signed statements had since been received.

THE SECRETARY reported that another chemist had dispensed prescriptions between June 6, 1951, and the date of commencement of his contract with the Board, June 22. The Ministry of Home Affairs had issued on June 18 a pharmaceutical licence in respect of the branch shop concerned. On the recommendation of its Finance and General Purposes Committee the Board decided that it could not authorise payment for the prescriptions dispensed prior to June 18, but that those dispensed subsequently would be met.

The Board ruled that £277 should be deducted from the remuneration of one doctor and £50 from a second, both held to have ordered drugs and prescribed dispensed for which they were not entitled to receive extra payment.

On the minutes of the Medical Advisory Committee it was stated that the pharmacist had reported that three prescriptions had been issued to a patient for what appeared to be an excessive amount of Chloromycetin. The medical adviser interviewed the prescriber and had been informed that the drug in the quantities ordered had been recommended by a specialist. The Committee agreed that no action should be taken.

was proposed in the Council's amendment.

The Council are considering whether in all the circumstances the purpose they have in view cannot be better achieved by a complete recasting of the paragraph rather than by the proposed amendment and are dealing with the matter as part of a general revision of the Statement on Matters of Professional Conduct.

NORTHERN IRELAND

With the approval of the Ministry of Health and Local Government the Northern Ireland General Health Services Board has authorised a payment to chemists of £41,061. This represents a reimbursement of the 8 per cent. on final payments for the period September to December 1950, which was withheld by the Board. The amount also includes final payments for December 1950 for counties Down and Londonderry. The secretary had previously reported that the Ministry had ordered cessation of the provisional deduction and repayment to each chemist of the total sum withheld. It is understood that discussions are now taking place on the method of making the dispensing fee apply retrospectively.

After a meeting with the Ulster Public Officers' Association concerning the bonus scheme for drug pricers, the Board has decided to defer further consideration until the end of a trial period of six months. Owing to the Board's difficulties in obtaining supplies of prescription forms, arrangements have been made for H.M. Stationery Office to assist.

A PHARMACIST'S ANTHOLOGY

[PITT Crawley] . . . had been made to accept Saunders M'Nitre, Luke Waters, Giles Jowls, Podgers' Pills, Rodgers' Pills, Pokey's Elixir—every one of her Ladyship's remedies, spiritual or temporal. He never left her house without carrying respectfully away with him piles of her quack theology and medicine. O my dear brethren and fellow-sojourners in Vanity Fair, which among you does not know and suffer under such benevolent despots? It is in vain you say to them, "Dear Madam, I took Podgers' specific at your orders last year, and believe in it. Why, why am I to recant and accept the Rodgers' articles now? There is no help for it.—*From "Vanity Fair," by W. M. Thackeray.*

CORRESPONDENCE

Letters may be sent for publication under an assumed name, but the correspondent must furnish his real name and address to the Editor

Wrapped Medicines

SIR,—So "Sadler the Chemist" of Crawley thinks it is time Yorkshire awakened, does he? And yet he was wrapping N.H.S. medicines throughout the war! Unlike Crawley we only started the National Health Service here in July 1948, but, in common with many other pharmacists we always wrapped and sealed N.H.S. medicines.

Leeds. "MITCHELL THE CHEMIST."

N.H.S. Pricing in Scotland

SIR,—The time has come for the Pricing Bureau in Scotland to issue to every chemist contractor in that country a properly detailed statement showing the position of his account. Payments made since the commencement should be shown, together with all deductions (the 1 per cents., the 4 per cents., the 8 per cents.). They must have some system of book-keeping at the Bureau—although at times I am in doubt about it—and surely it should be possible to send up-to-date statements each month as any business firm does.

St. Andrews.

A. W. KEITH.

Council Machinations

SIR,—In the discussions and criticisms arising from the present conditions in pharmacy there is one point on which all are agreed—the essential need of publicity to counteract the policy of secrecy pursued in connection with the activity of the Council. That members have lost interest in the affairs of the Society was evidenced at the time of the election of councillors, so few members using their vote. Nothing is known of the work of the individual councillors, though Mr. H. M. Hirst has lifted for us a corner of the veil; the question is, what is that power that fills the Council with yes-men, drills a majority, and forces through a policy that has played such havoc in pharmaceutical work? Outright denials are made of Government statements on the shortage of man-power, as given in, for example, the Ministry of Labour appointments register, in which there are six vacancies to one registrant. The number of vacancies advertised in the Press is further evidence, apart from the deplorable prosecutions of first-class firms for lack of qualified super-

vision. Mr. Hirst's sympathy for Mr. Meldrum is misplaced, for only a year ago Mr. Meldrum acquiesced in an intrigue that prevented Mr. McNeal from being appointed president of the Society. The irony of fate is that he himself should fall a victim in similar circumstances. Mr. Hirst and others like him should not have condoned all those machinations. At the worst it might have led to an earlier resignation. It seems our Society is ruled by self-appointed "bosses," and no one opposing them has a chance of reaching important positions. Let them do their worst. They can only bring us to an intolerable position in which the Government will have to take action.

PH.C.

Advertisers' Display Material

SIR,—Turning up some Press cutting this week I came across one from the advertising trade Press referring to a descriptive folder which we mailed to customers last Autumn. The extract begins "It has always seemed a bit Alice in Wonderland that manufacturers should have to spend so much money on "selling" display pieces to retailers to enable them to make more profit." As a sales manager, who is constantly concerned with the cost of such sales aids, I wonder how much our efforts in this field are appreciated by our chemist customers. At the recent International Advertising Conference my American contacts were struck by the difference in the initiative shown by their drug stores and our British counterparts in this matter of display co-operation. The American retailer regards his supplier as a friend who has his interest at heart and willingly co-operates with him in his merchandising activities. He will even help to meet the expenses of selling by paying either a nominal or real price for the display material sent him. And, as we might guess, having paid for the material he makes full use of it both to his own and his supplier's benefit. The pharmaceutical trade in this country does not wish to alter the time-honoured custom of free display material but it does make a plea for reasonable co-operation by the retailer in its merchandising effort. One cannot benefit without benefiting the other. We never underrate the value of

play space on a chemist's counter or his window, and material is designed to occupy as little space as possible, whilst doing an effective job as a convenient check point or a self-service and a promoter of impulse sales. Such material could be used to the full for the benefit all.

Meggesson & Co., Ltd.

P. KING, M.P.S., *Sales manager.*
London, S.E.16.

Tribute to a Nonagenarian

SIR,—How true the saying that a little knowledge is dangerous! If anything is done to promote the proposed legislation on resale price maintenance it will be the complete lack of understanding of the subject by those who will be called upon to implement it in Parliament. In your issue of July 28 you reported that on July 19 Sir William Darling asked the Chancellor of the Exchequer if retailers who cut prices could have purchase tax reduced in proportion. Mr. Jay had to point out, quite rightly, that purchase tax is not calculated on retail prices. On the same day you reported that Lieutenant-Colonel Sir Thomas Bore asked for an end to be put to the schemes under which retailers were forbidden to sell goods *above* fixed prices; he wanted to ensure that action taken to permit competition and *instability* in retail trade would not result in more prices being raised than reduced. This sort of thing is on a par with the White Paper itself, which states that the manufacturer will be free to prevent distributors from *spoiling the market* for his goods by charging a higher price. What a reshaping change it was to turn a few pages in your same issue of July 28 and read the sensible, down-to-earth article by "Nonagenarian Pharmacist" W. Johnston on the same subject, which he rightly calls "The Fair Trade Abandonment Bill." This shows clearly the difference between sound experience and the half-baked arguments of those without understanding of the subject. This grand old gentleman of pharmacy, ninety-two years of age, shows a mental clarity that is sadly lacking in many of those of a younger generation who are called upon to control our destiny, and I would like to pay a tribute to his perspicacity. In the coming parliamentary discussions we can be assured of a healthy number of red herrings and pious clarifications about "bringing down the cost of living." In the discussion that took

place on June 16, 1950, Mr. Percy Daines, M.P., even referred to associations like the P.A.T.A. as "a strange economic underworld in which mighty barons wielded economic power, and strange silent figures worked in darkness, avoiding all publicity." If this is indicative of the level of future discussions then it will be goodbye to all the advantages and benefits of a system which has been built up over fifty years by practical, far-seeing men of the type of Mr. Johnston. He does not have to speculate on the results of the proposed legislation—he knows! The pity of it is that, for all his ninety-two years, we do not have more men of his calibre in charge of our affairs.

J. M. RYAN

(Evan Williams Co., Ltd.).

Perivale, Middlesex.

Conduct of a Meeting

SIR,—I have followed with considerable interest correspondence originated by Messrs. Gover, Bloodworth and Russell criticising the admirably conducted meeting organised by the Surrey Pharmaceutical Committee a fortnight or so ago. To me, having no connection with the organising committee, it seems that the writers are strangely lacking in a sense of proportion. The meaning of the chairman's opening remarks was clear to all who wished to understand. As stated by Mr. Ridout (p. 164) the decision of the Committee was only disclosed at the direct request of the meeting. I am completely at a loss to understand what was meant by "the signatories made their position perfectly plain in the face of some derision from the platform when the vote was taken." So far from having their position made "perfectly plain," I for one did not even know they were present and so far as "derision from the platform" is concerned the statement is both untrue and unfair. I was seated at the very front of the room, and would have been the first to protest had there been any such unseemliness. If your correspondents had any complaint about the meeting the place to air it was at the meeting and not in the public Press many days later.

Yours faithfully,

London, S.W.19. HARRY S. FENTON.
*Secretary, Wimbledon Branch,
National Pharmaceutical Union.*
[This correspondence is now closed.—
EDITOR.]

GUIDE TO NEW MEDICAMENTS

Information about new proprietary medicaments to be supplied principally on prescriptions. Editorial recommendation is not implied. Reprints obtainable on application.

CYTACON

MANUFACTURER: Glaxo Laboratories, Ltd., Greenford, Middlesex.

DESCRIPTION: Tablets each containing 10 microgm. crystalline vitamin B₁₂.

INDICATIONS: Primarily for undernourished children who fail to maintain normal development. DOSAGE: One to three tablets daily.

HOW SUPPLIED: In bottles of fifty and 500.

NOTE: The tablets are not intended for the treatment of pernicious anaemia.

PROTOVITE DROPS

MANUFACTURER: Roche Products Ltd., Welwyn Garden City, Herts.

DESCRIPTION AND FORMULA: Solution for drops each c.c. of which contains: Vitamins 5,000 International units; D, 1,000 i.u.; E, 3 mgm.; B₁, 2 mgm.; B₂, 1 mgm.; C, 50 mgm.; nicotinamide, 10 mgm. INDICATIONS: Vitamin supplementation.

DOSAGE: Adults: twenty-four drops daily; children: twelve drops daily.

HOW SUPPLIED: In phials containing 15 c.c.

BEPLET Elixir

MANUFACTURER: John Wyeth & Bro., Ltd., Clifton House, Euston Road, London, N.W.1

DESCRIPTION AND FORMULA: An elixir each fluid drachm of which contains: Phenobarbitone, gr. 1/4; vitamin B₁, 1.5 mgm.; vitamin B₂, 1 mgm.; vitamin B₆, 0.33 mgm.; nicotinamide, 10 mgm.; pantothenyl alcohol, 0.2 mgm.; in alcohol, 15 per cent.

INDICATIONS: Nervous exhaustion, neurasthenia, fatigue states, B-complex deficiency.

DOSAGE: Usually one teaspoonful in water, before meals and at bedtime.

HOW SUPPLIED: Bottles of 4 fl. oz.

STREPTOMYCIN DC(B)L

MANUFACTURER: The Distillers Co. (Biochemicals) Ltd., Speke, Liverpool, 19.

DESCRIPTION: Purified streptomycin sulphate.

DOSAGE: (Of streptomycin base). Normally: *Intramuscularly*, 1 to 2 gm. daily in 2 to 4 mils sterile solvent; *Intrathecally*, 50 to 100 mgm. every 24 or 48 hours in 5 to 10 mils; *Orally*, 0.5 to 1.0 gm. every six hours in a flavoured vehicle.

STORAGE: Two-year life if stored dry as issued below 86° F. (30° C.). A sterile solution will normally retain its potency for seven days when stored in a cool place.

HOW SUPPLIED: In boxes of five injection-type vials each containing one mega unit (equivalent to 1 gm. streptomycin base) in boxes of five vials.

TOPOCAINE

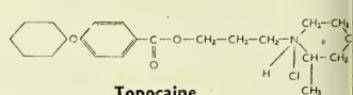
MANUFACTURER: Eli Lilly & Co., Ltd., Basingstoke, Hants.

DESCRIPTION: 3-(2-Methylpiperidino)-propyl-para-cyclohexyloxybenzoate sulphate.

INDICATIONS: Local anaesthesia in skin abrasions, burns, sunburn, haemorrhoids, pruritis ani, perineal wounds, fissured nipples, etc.

USE: By topical application.

HOW SUPPLIED: As a cream containing 0.5 per cent. Topocaine in water-miscible base in 1-oz. containers; and as a lotion containing 0.5 per cent. Topocaine, with chloramine and zinc oxide, in 4-oz. and 16-oz. containers.



MEDICAL ABSTRACTS

Hæmopoietic Activity from Faeces.—Lender and Spray, ("Lancet," 1951, I, 2) describe a method for the preparation of faeces of non-toxic extracts which produce hæmopoietic responses upon injection into patients with pernicious anaemia. The active substance appears to be vitamin B₁₂.

Enhanced Streptomycin Action.—Potassium iodide was found by Rees and Boson ("Science," 1950, 112, 790-91) to enhance the healing effect of streptomycin in experimental tuberculous lesions of the eyes of animals. The enhancing effect was most marked when the lesions were well established. The dosage used was 10 mgm. of streptomycin twice weekly and 10 mgm. of potassium iodide thrice weekly by intravitreous injection.

Polymyxin in Treating Burns.—A case of the routine use of polymyxin with penicillin in the local treatment of burns made out by Jackson and others ("Lancet," 1951, II, 137), who record healing in 100 per cent. of twenty-eight polymyxin-treated full-thickness skin-loss burn patients four weeks, against 19 per cent. of 133 control patients. Polymyxin-E am (0.1 per cent.) was applied on alternate days to burns colonised by *Pseudomonas pyocyannea*. By the fourth day the organism persisted in 26 per cent. of cases, against 81 per cent. of untreated cases used as controls.

Dermatitis from Antibiotics.—In a long article dealing with sensitivity to penicillin, the "Lancet" (1951, II, 24) refers to the rising incidence of penicillin dermatitis, and quotes the finding of Bedford ("British Medical Journal," 1951, I, 8) that people who are highly sensitive to one antibiotic are likely to be sensitive to some if not all of the others. Most of the penicillin dermatitis seen at skin clinics are in men who have been applying penicillin ointment for impetigo or other skin ailment. In the view of Moyman ("Guy's Hospital Gazette," 1951, 168) only the more serious skin infections require antibiotics, which should in these cases be given systemically.

Treating Hydrofluoric Acid Burns.—Describing a case of hydrofluoric acid burns, Dale ("British Medical Journal," 1951, I, 728-32) stresses the extreme penetrative power of the acid, which is not only due to its acidic properties. The early treatment is most important. The

basis of emergency treatment of burns in many factories is based upon a need for (1) treatment as soon as the burn occurs; (2) the burned part to be washed immediately or immersed in warm saturated solution of sodium bicarbonate; (3) a cream of magnesium oxide and glycerin to be massaged subsequently into the surface of the burn; (4) as soon as possible a 10 per cent. solution of calcium gluconate to be injected under the coagulum of the burn under anaesthesia. Further dressings of magnesium oxide cream are applied night and morning for six days.

RECENT RESEARCH

Amœbicidal Antibiotic.—McCowen, Callender and Lawlis ("Science," 1951, 113, 202) find that the crystalline antibiotic, H₃ (Fumagillin), is a potent amoebicide, producing inhibitory effects against a strain of *Endamoeba histolytica* with mixed bacterial flora at dilutions as high as 1:131,072,000.

Teaching Aid.—A simple apparatus for showing doctors and others how explosive mixtures of anaesthetic gases and vapours can be is described by Morton ("British Medical Journal," 1951, I, 298). The apparatus consists of a steel rod tapped at one end to take an automobile sparking-plug and turned to take a toy balloon at the other. A balloon filled with anaesthetic gas mixture is connected with the appropriate end and the mixture detonated by a spark from the sparking-plug generated by a high-tension electric current obtained through the use of a flash-lamp battery and a 6-volt car induction coil.

DDT Synergist.—Sumberford, Goette, Quarterman and Schenck ("Science," 1951, 114, 6-7) report that DDT is potentiated against DDT-resistant houseflies by the addition of *p,p'*-dichlorodiphenyl methyl carbinol (DMC). Several different compounds were separately mixed with DDT in a 1 in 10 ratio, and tested against DDT-resistant houseflies, and DMC was seen to be significantly the most effective synergist. In a further series of experiments various proportions of DMC in DDT were tried. High mortality rates were obtained with a DMC/DDT ratio of 1:10, but the rates were not appreciably raised by raising the proportion of DMC up to 50 per cent. and any further increase led to a fall in the numbers killed.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade

London, August 8

THE announcement of new prices for COCAINE and salts has been the most notable move in markets which opened generally quiet following Bank Holiday. Price of COCAINE ALKALOID is now 100s. against 73s. 9d. per oz. in quantities of 25 oz. ESSENTIAL OILS remain quiet. Supplies of BERGAMOT and EUCALYPTUS oils are still difficult to find and the market for them is very firm. There is shortage of good quality LEMON and ORANGE oils, and no news has yet been received of the new crop of LAVENDER. In EXPRESSED OILS lower prices are noted for ALMOND and OLIVE oils. The market for CRUDE DRUGS has continued quiet.

U.S. Drug and Chemical Report

New York, August 3

IN the CRUDE DRUG market generally demand is quiet owing to the holiday season, and prices are declining. Improved supplies of PSYLLIUM are arriving from India and prices have consequently weakened. Prices for GUM ACACIA, which is only in fair demand, remain firm, however. CARNAUBA and OURICURI WAX prices have been falling, but the decline in CARNAUBA is thought to have levelled off. The new Brazilian crop of CARNAUBA is expected to be early. In ESSENTIAL OILS, less new material is being offered from primary centres than for a long time, and this, together with holidays, is having a most quietening effect on business. Only a few price changes are reported. LEMON OIL is, however, dearer, this item being in strong demand by soft drink producers, and the downward trend seems to have been largely arrested. The price of Brazilian MENTHOL has been reduced because of the lack of demand and the approach of the Japanese mint-distilling season. Foreign demand for SYNTHETIC CAMPHOR has reduced domestic supplies to such an extent that some dealers are allocating deliveries.

ALMOND OIL.—English-expressed is from 6s. to 7s. per lb. Bitter essential oil (s.a.p.) is from 26s. per lb., upwards, as to grade.

BORAX.—Prices for B.P. grade, in quantities of 1 ton and upwards are as follows:—Granular, £48 10s.; crystals, £51; powder, £52; extra-fine powder, £53 per ton. Prices of commercial range from £39 10s. to £44 per ton, as to type, and dehydrated borax is now £60 10s. per ton. In 1-cwt. bags; carriage paid in Great Britain. Surcharges for small quantities as previously (see Boric acid).

BORIC ACID.—Prices for B.P. grade in quantities of 1 ton and upwards are as

follows:—Granular, £81; crystal, £8 powder, £85 10s.; extra-fine powder £87 10s. per ton. In 1-cwt. bags; carriage paid in Great Britain. Surcharges for smaller quantities: Less than 1 ton £10 not less than 5 cwt., 1s. per cwt.; 3 cwt., 2s.; 1 cwt., 5s.

CARAWAY OIL.—English-distilled is offered at 45s.; imported oils in limited supplies are from 38s. to 40s. per lb., on the spot.

CARDAMOM OIL.—English-distilled quoted at from 450s. per lb. imported, from about 450s., duty paid.

COCAINE.—Rates per oz. are as follows: ALKALOID and SALICYLATE, bottles $\frac{1}{2}$ -oz., 27s. each; $\frac{1}{2}$ -oz., 53s. each; 1-104s.; 4-oz., 103s.; 8-oz., 102s.; 16-oz., 101 tins, 25-oz., 100s. HYDROCHLORIDE and NITRATE, bottles, $\frac{1}{2}$ -oz., 24s. 6d. ea.; $\frac{1}{2}$ -48s. ea.; 1-oz., 94s.; 4-oz., 93s. 3d.; 8-oz., 92s. 3d.; 16-oz., 91s. 6d.; tins, 25-90s. 6d.

MAGNESIUM CARBONATE.—Prices LIGHT, B.P., are as follows:—5-cwt. £123s. 6d.; 1-cwt., 129s. per cwt., in bulk. In quantities from 28 lb. and less the 1 cwt. prices are from 1s. 9d. to 2s. 1 lb. as to pack. HEAVY, B.P., in bulk 167s. per cwt.; 5-cwt. lots, 158s. per cwt. In quantities from 28 lb. and less the 1 cwt. prices are from 2s. to 2s. 4d. lb., as to pack.

MAGNESIUM TRISILICATE.—In 28 packages, quantities of under 1-cwt. quoted at 5s. 1d. per lb. 1-cwt. lots 4s. 4d. and 5-cwt., 4s. 2d. per lb.

MERCURY DERIVATIVES.—Nominal quotations (per lb.) for 1-cwt. lots are: ALUMINATED, B.P., lump or powder, 21s. 9d. PERCHLORIDE, B.P., powder, 19s. 6d. CHLORIDE, B.P. (calomel), 22s. 6d.; CHLORIDES, B.P.C. levigated, or yellow B.P., 2s.

METHYL SALICYLATE.—In 1-cwt. lots price is 3s. 3d. per lb.; 56-lb., 3s. 3d.

OLIVE OIL.—French virgin in 48-g drums, spot, 29s. per gall.; pharmaceutical 28s. 6d. per gall. French virgin (maximum acidity 1 per cent.) is offered for shipment at £292; Tunisian virgin at £280; French pharmaceutical (maximum acidity 0.25 per cent.), at £287 per 1,000 kilos. London.

PANCREATIN.—1-cwt. lots of B.P. quoted at 9s. per lb., and 28-lb. at 1 U.S.P., 1-cwt. lots, 11s. 6d. per lb.; 28-lb. 12s. 6d.

SODIUM SALICYLATE.—Rates are: 1-lots in bulk, 3s. 5d. per lb.; 5-cwt. 3s. 5½d.; 1-cwt., 3s. 6d. Scheduled rates in the home market for 28-lb. and un 1-cwt. are from 4s. 1d. to 4s. 5d. per as to pack.

PURCHASE TAX ON MEDICINES

Treasury has made an Order, the Purchase Tax (No. 5) Order, 1951 (S.I., No. 1357), effective from August 6, bringing into force a new and extended list of drugs and medicines that are free of purchase tax. Alterations and new entries are:—

Medicinal Schedule. Head I, Organic compounds of copper whether containing an analgesic or not. Head II, any one of the substances and preparations described under this head with or without one or more of the following things, namely, an excipient, vehicle, base or preservative:—Benzhexol, salts thereof; Diethylcarbamazine, and salts thereof; Diphenylacetyl-beta-diethylaminothanoester, hexahydro-diphenylacetyl-beta-diethylaminoester, their salts, and any combination thereof; Phenobarbitone; Ethyl pyrophosphate; hormones and synthetic compounds with hormone activity, having the carbon ring system of either oestriol or progesterone, and combinations of two or more of those substances; Lucanthone, and salts thereof; Nicotinic acid tetrahydro-furfuryl ester; Quaternary cationic detergents with bactericidal activity; Sorbitan monooleate polyoxyethylene derivative; Tetraethylthiuram monosulphide, and thiethylthiuram disulphide; Trivalent sodium amygdalate gluconate. Head III, The substances described under this head and preparations consisting of one of those substances and one or more of the following things, namely, an excipient, vehicle, base or preservative, or of two or more of the substances whether with one or more of the following things, namely, an excipient, vehicle, base or preservative, or not:—Amicline, and salts thereof; Chloramphenicol; Croton-N-ethyl-nitrosoide; Dapsone, and derivatives thereof; 3-Hydroxy-N-methyl-morphanin, and salts thereof; Isopropyl chloride; Khellin; Lignocaine, and salts thereof; *l*-N-Methylephedrine, and salts thereof; 1-Methyl-2-mercaptoimidazole; Naphazoline, and salts thereof; Penicillin, being any antibacterial acid which—(a) may be shown by chemical and physical examination to contain in its structure a fused thiazolidine actam nucleus; or (b) loses its antibacterial activity on hydrolysis by the penicillases which destroy the anti-microbial activity of the substance known as "International Standard Penicillin," and accordingly may, without chemical or physical examination, be presumed to contain a structure such a nucleus as aforesaid; and being any salt or derivative obtained from any acid, and any solution containing any such acid or derivative; Phenylephrine hydrochloride; Phenidine and other diamines of diphenyl or phenoxy derivatives of aliphatic hydrocarbons, either substituted or not, and salts thereof; Thio-urazones and isothiоsemicarbazones; Tolazoline, and salts thereof; Troxidone, and other oxazine diones; vitamins, vitamin complexes and co-enzymes; any anti-infective substance or mixture of such substances produced by the growth

of *Bacillus brevis* on a suitable medium; preparations of stomach containing the haemopoietic principle thereof in a therapeutic concentration and preparations consisting only of any such preparation of stomach as aforesaid and a salt of iron or dried yeast; preparations of the substance known as streptokinase which is produced from a suitable strain of haemolytic streptococcus; the anti-microbial substances, or salts thereof, produced by the growth of *Bacillus polymyxa* on a suitable medium; Anti-microbial substances, or salts thereof, such as are produced by a suitable strain of *Streptomyces aureofaciens*, whether so produced or not; anti-microbial substances, or salts thereof, such as are produced by *Streptomyces rimosus*, whether so produced or not; the following substances, and salts and derivatives thereof:—Antazoline; Diphenhydramine; Phenindamine hydrogen tartrate.

TRADE MARKS

(From the "Trade Marks Journal," July 18)

For pharmaceutical preparations excluding insecticides or disinfectants (5).

PANOLT, 696,675, by Frank W. Horner, Ltd., Montreal.

For pharmaceutical preparations (5).

DIBISTIN, 697,003, by Ciba, Ltd., Basle. ACNIFOL, 698,189, by Hough, Hoseason & Co., Ltd., Levenshulme. PROBERON, 698,392, by Allen & Hanburys, Ltd., London, E.2. WYCHOL, 698,850, by Wyeth Inc., Philadelphia. DYNANDRYL, 698,888, by Les Laboratoires Français de Chimiotherapie, S.A., Paris.

For disinfectants in liquid or tablet form (5).

FOURSAN, 697,578, by W. John Williams & Co., Ltd., London, S.E.1.

For medicated preparations for the treatment of coughs, colds, asthma and bronchitis (5).

CROAKY? on label device of frog, 697,958, by Parkinsons, Ltd., Burnley.

For preparations for destroying vermin (5).

RATININ, 698,017, by A/S Bakteriologisk Laboratorium "Ratin," Frederiksberg-by-Copenhagen.

For all goods (5).

BIMENONE, 698,124, by The British Drug Houses, Ltd., London, N.1. PROTODEX, 698,330, by C. L. Bencard, Ltd., London, S.W.1. VETROXIN, 698,517, by Glaxo Laboratories, Ltd., Greenford. FIBRINIDASE, 698,889, by Benger Laboratories, Ltd., Ipswich.

For pharmaceutical preparations and substances for rubbing (5).

FAM-O-RUB, 698,390, by Optrex, Ltd., Greenford.

For veterinary preparations (5).

C. J. HEWLETT & SON, LTD., on device of owl, CBG-P, CBG-PM, CBG-PMD, 698,760-62, by C. J. Hewlett & Son, Ltd., London, E.C.2.

For medicated preparations for the improvement of fertility (5).

ZYGOTROPHIN, 698,900, by Kylon, Ltd., London, E.C.2.

For photographic apparatus (9).

ILOCA, 698,536, by Wilhelm Witt, Hamburg.

LOCAL OFFICERS

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Plymouth Pharmaceutical Committee.—Officers for the period 1951-54 are:—*Chairman*, Mr. C. Condy U'Ren; *Vice-chairman*, Mr. R. R. Ramsden; *Secretary* and *Treasurer*, Mr. W. F. E. Eustace, 8 Edgcumbe Street, Plymouth.

PRINT AND PUBLICITY

News Reels.—Pathé Pictorial news reels reissued feature Remington electric shavers.

Book Catalogue.—E. & S. Livingstone, publishers, 16 Teviot Place, Edinburgh, 1, forward a copy of their 1951 catalogue on request.

Sulphaquinoxaline in Veterinary Medicine.—four-page pamphlet by Pharmaceutical Specialties (May & Baker), Ltd., Dagenham, introduces bazin brand solution of sulphaquinoxaline so for the control of cæcal coccidiosis in chicks and young turkeys.

Malt and Malt Products.—An eighteen-page runner of a series of monographs on malt and malt products, entitled "Malt Amylases and action on starch," is presented by Munton, E. Bedford & Edward Fison, Ltd., Ipswich, of this and subsequent monographs will be sent on request.

Medical Leaflets.—Leaflets, folders and books obtainable from manufacturers include those below:—

ALLEN & HANBURY'S, LTD., Bethnal Green, E.2: Euvalerol M (4-p. leaflet).

SHARP & DOHME, LTD.: Cremodiazine; and Cremo-sulphonamide Products (2-p. leaflets).

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham: Sulphatriad (blotter); Proprine ophthalmic solution (direction card).

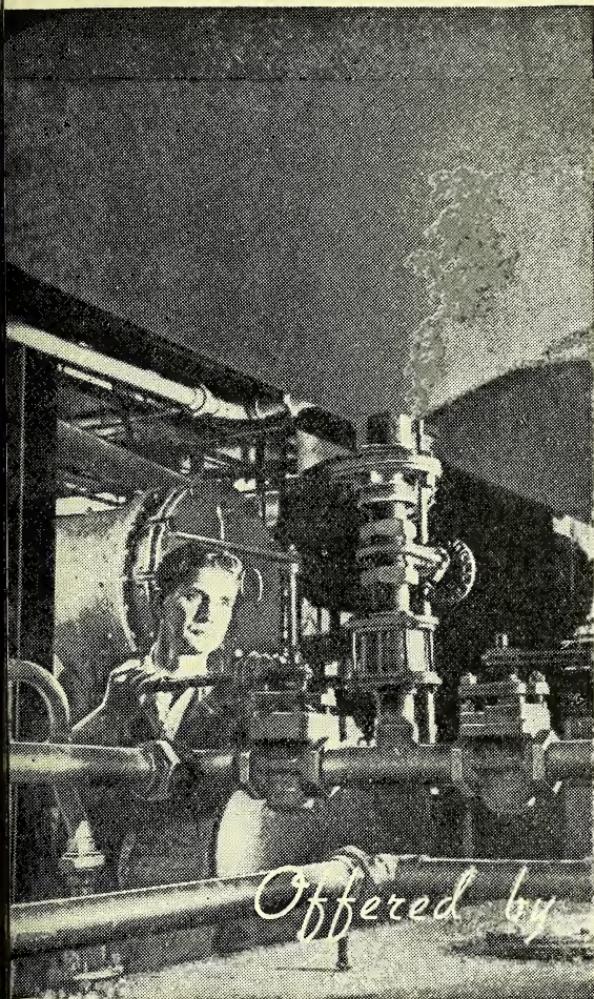
BENGER LABORATORIES, LTD.: Auralgicin (pamphlet); and "Local Anaesthesia in Obstetrics" (2-p. leaflet).

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool: Rondase (hyaluronidase-Evans) 12 pp. "The Biological Basis of Hyaluronidase Therapy" (16 pp.); Heprona (4-p. leaflet); Colliron and iron capsules (7-p. booklet) and Hepovite in treatment of protein deficiency (15 pp.).

BURROUGHS WELLCOME & CO., 183 Euston Road, London, N.W.1: Additions to the company's files of literature include "An Advance in Conquest of Pain" (16-p. booklet detailing septone); "Obstetrics" (products used in practice of); "E.B.I. in its most effective for (emetine bismuth iodide); Aminophylline, B. & Co.; Tabloid Herba; Methedrine inhaler; Iod penicillin for oral administration; Syncaine (injection of decamethonium iodide) and Neoinine products.



Two new Brylcreem showcards (493 and 494) recently issued by County Perfumery Co., Ltd., feature known models. A showcard for Brylfoam (495) gives prominence to a girl who appears regularly in Press advertisements. The showcards are available on request to the company, Honeypot Lane, S. more, Middlesex.



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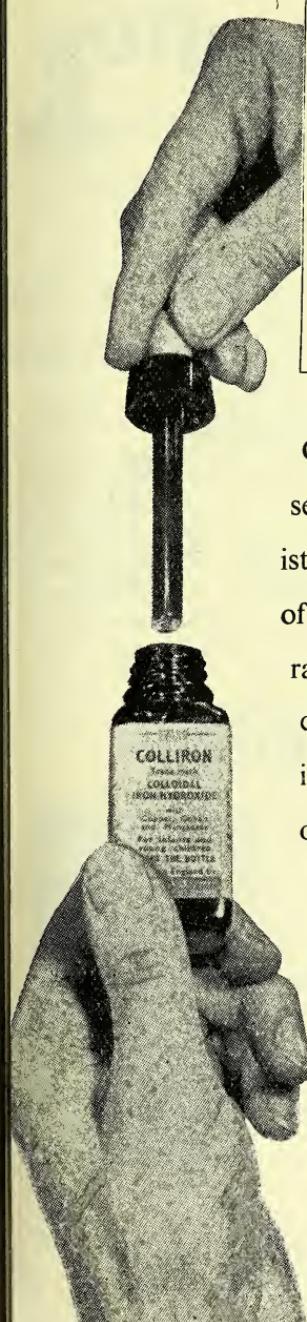
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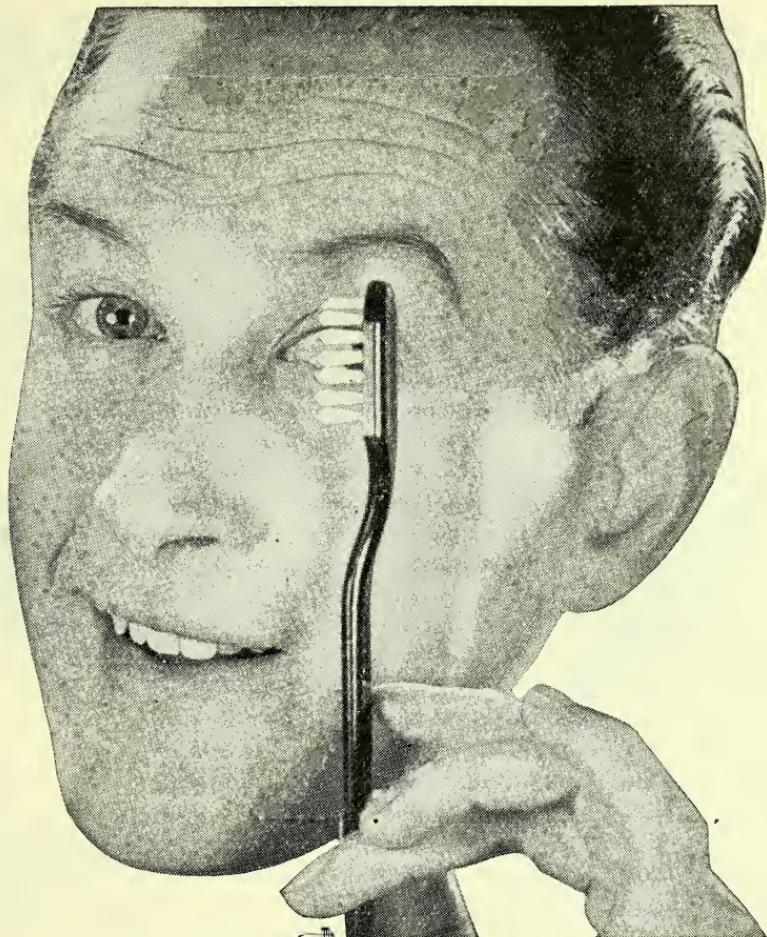
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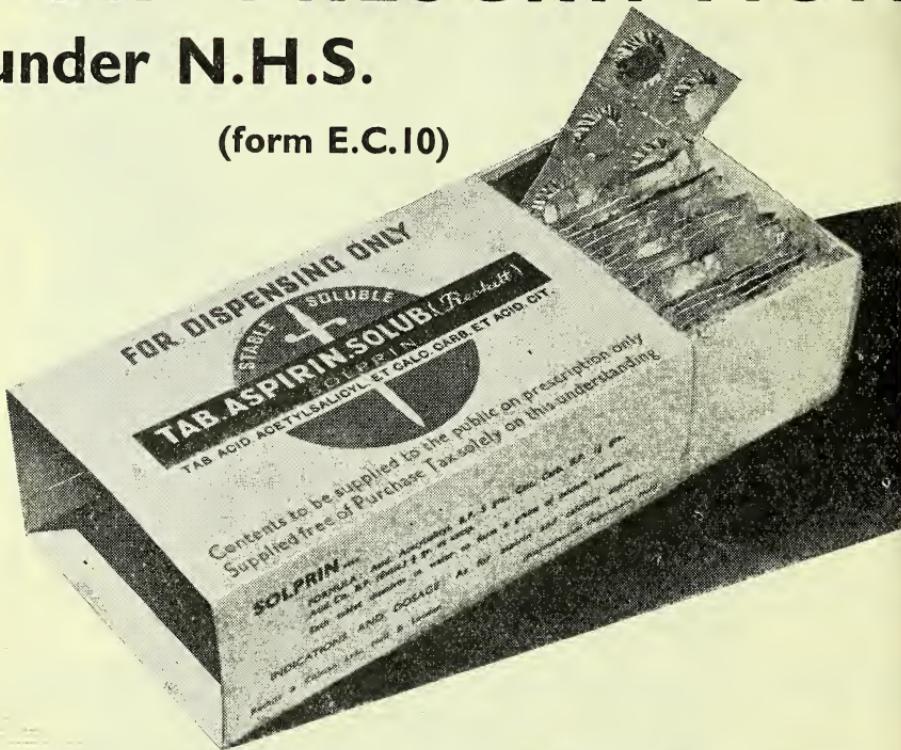
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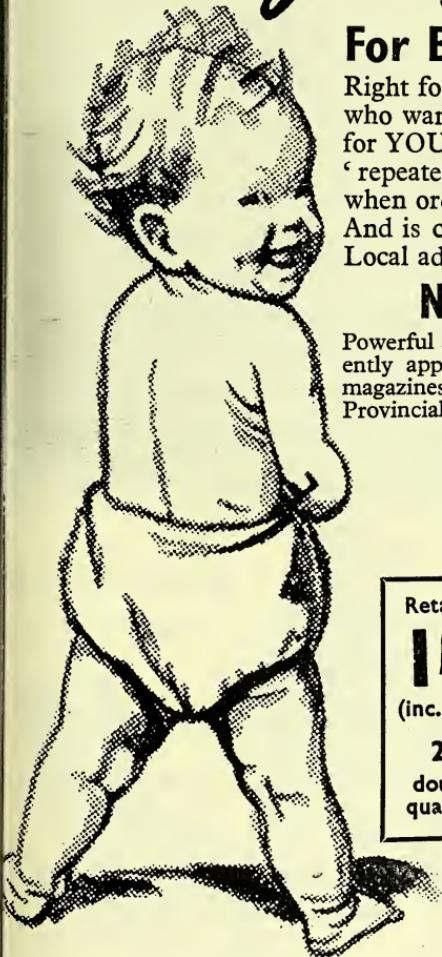
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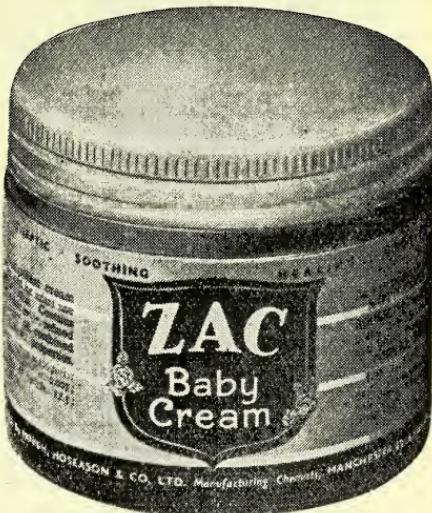
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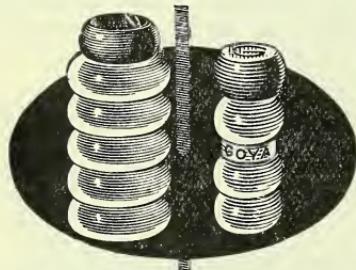
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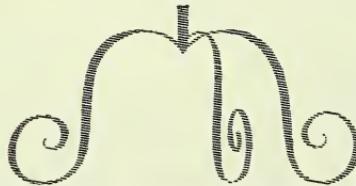
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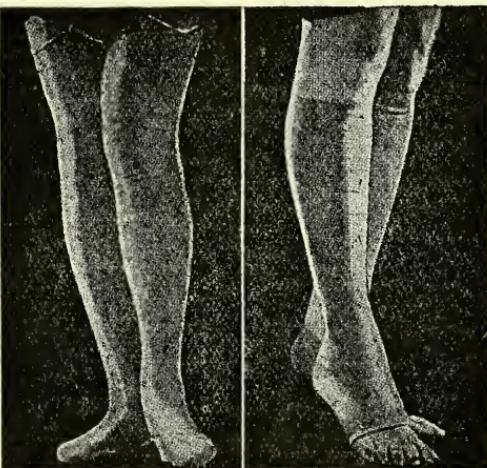
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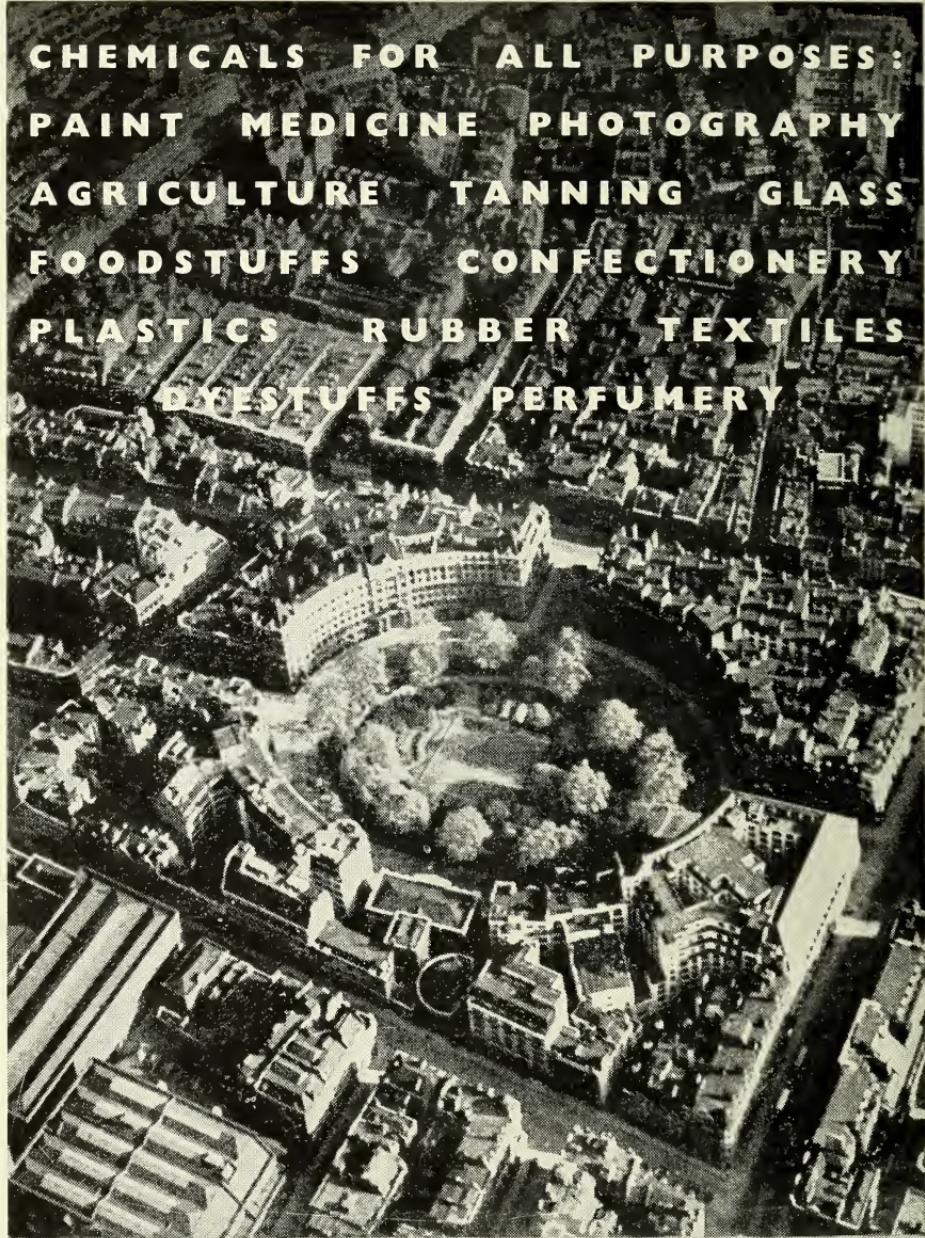
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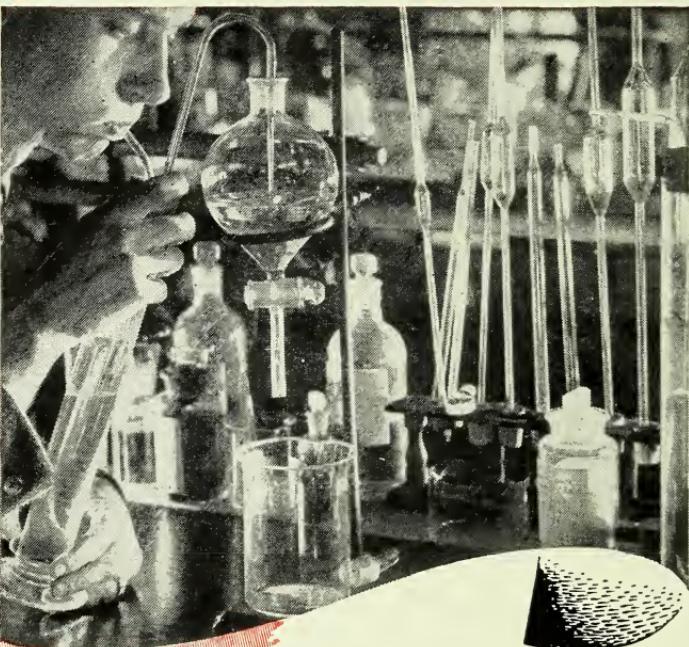
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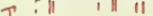
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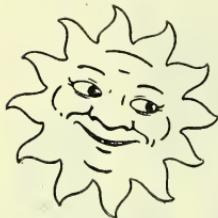
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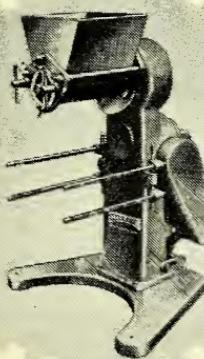
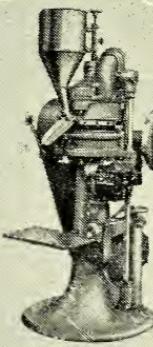
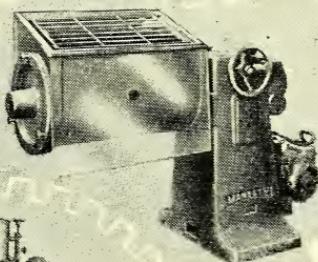
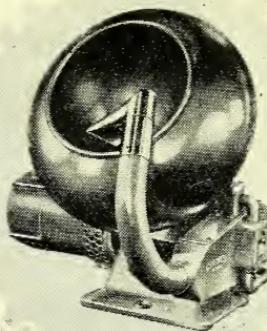
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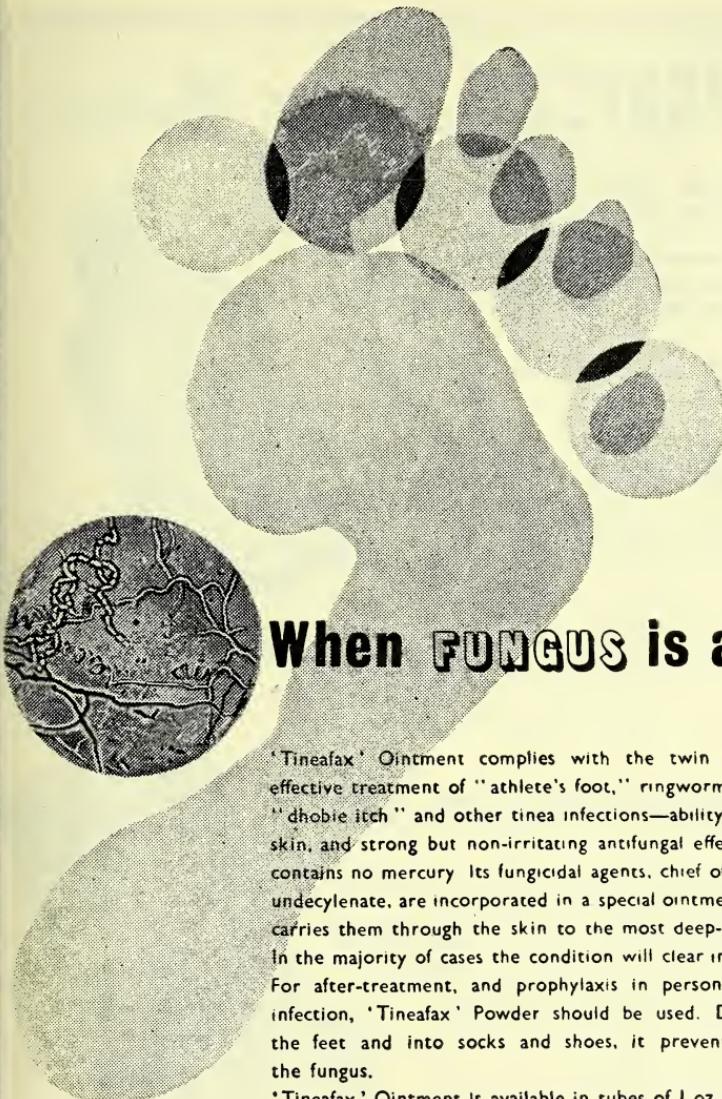
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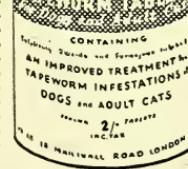
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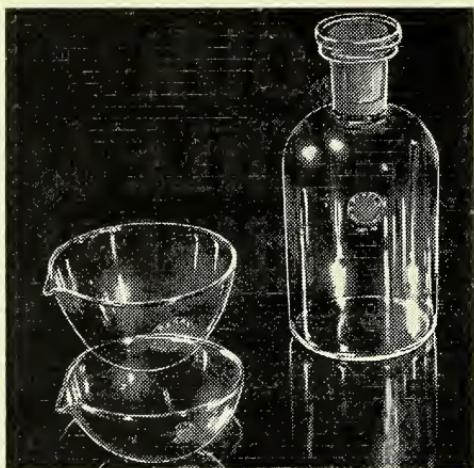
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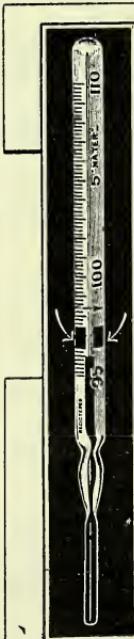
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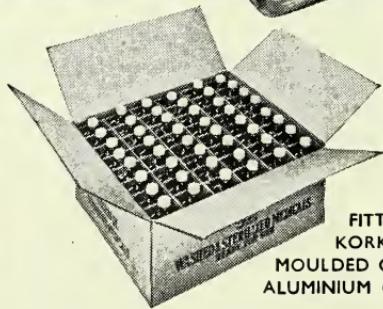
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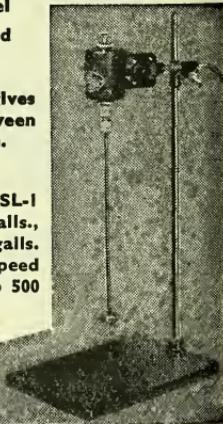
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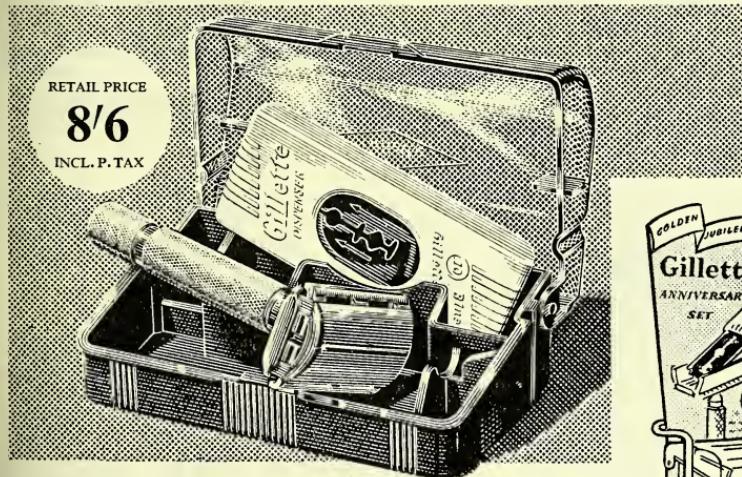
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TO CELEBRATE THEIR GOLDEN JUBILEE

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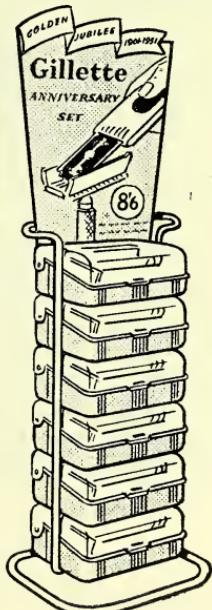
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*Playing with fire
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MMER — AND SUN — bring chemists a type customer seldom seen in the winter months the strong, healthy under 30's, people who use to believe that the coy English sun can't. That it should burn *them* is a constant surprise to them — and a constant source of profit to chemists who stock Genatosan Calamine Lotion. Genatosan Calamine is a complete emulsion, spreads smoothly and eases sunburn and irritation instantly. By giving these casual customers with a very pleasant product like Genatosan Calamine you may be sure that a large proportion of these men and women—whenever they want anything during the remaining months of the year—will naturally turn first to *you*.

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The new 'KLIX' puff pack & compact

H. 1400/V in Rose, Blue and Peach
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16/6 per doz.

Packing : 3 dozen to a carton
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Supplied in blue-and-white counter sell-
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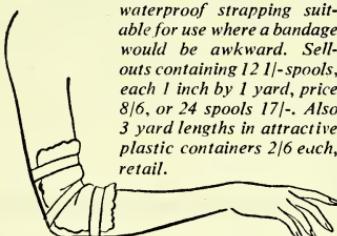


DALMAS LTD.
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(Phone: Leicester 65261)

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Dalmas Strapping. A waterproof strapping suitable for use where a bandage would be awkward. Sell-outs containing 12 1/-spools, each 1 inch by 1 yard, price 8/6, or 24 spools 17/-. Also 3 yard lengths in attractive plastic containers 2/6 each, retail.



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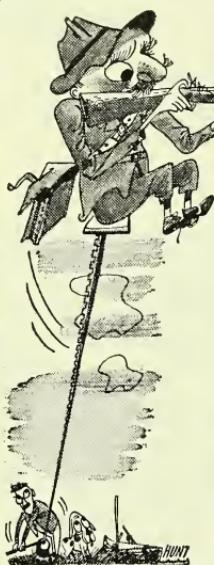


Dalmas Finger-Tip Dressings. A new waterproof protection to stick over cracked, cut, or sore finger-tips. Boxes 8/6 per dozen, to retail at 1/- each.

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4 fl. ozs. - - - 7/6	25 - 2/6 20/- Doz.	3 - - - 5/-
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42/- Each	1000 - 60/- 10/- "	10/8 per box of 12

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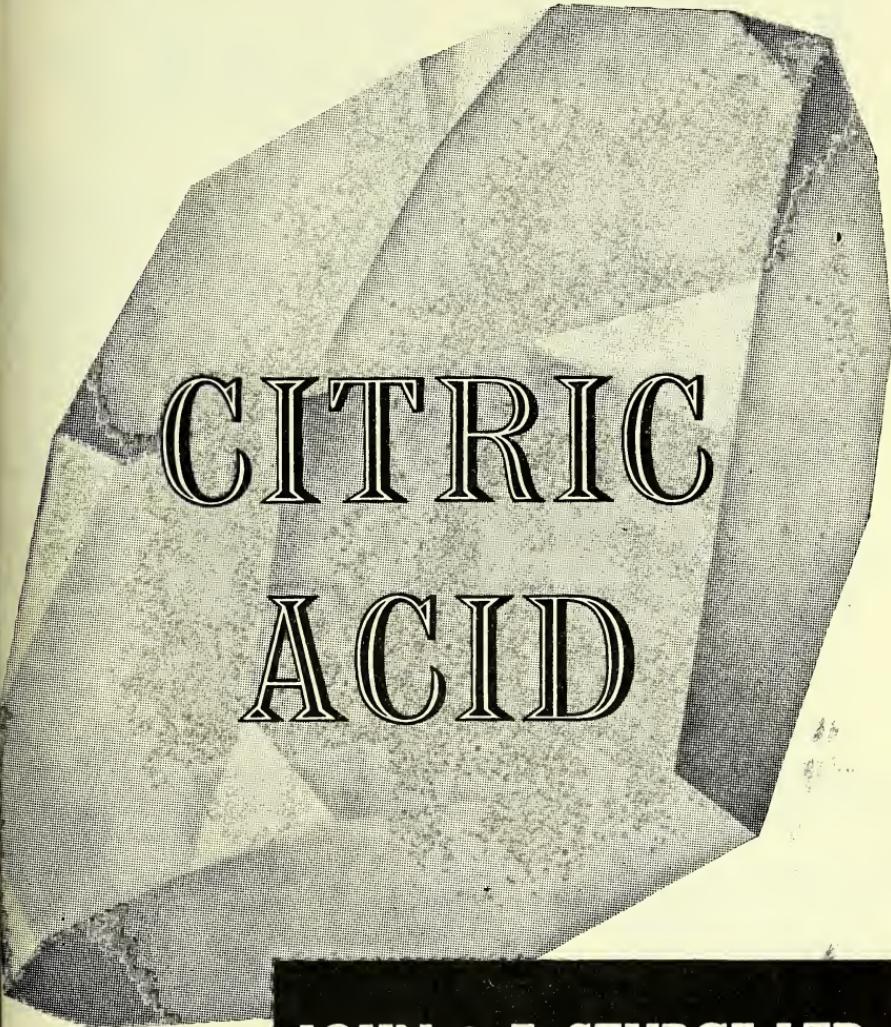
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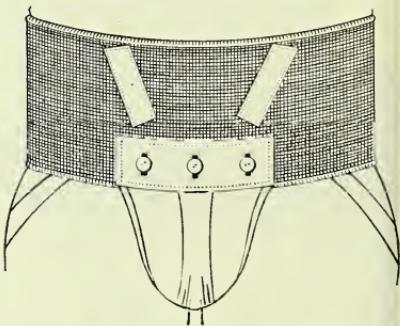
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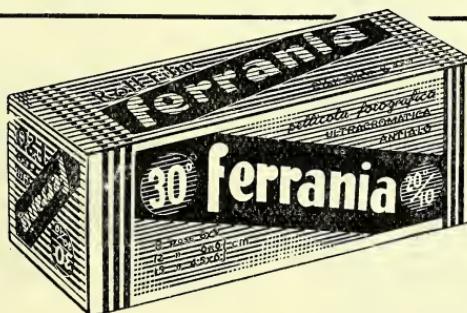
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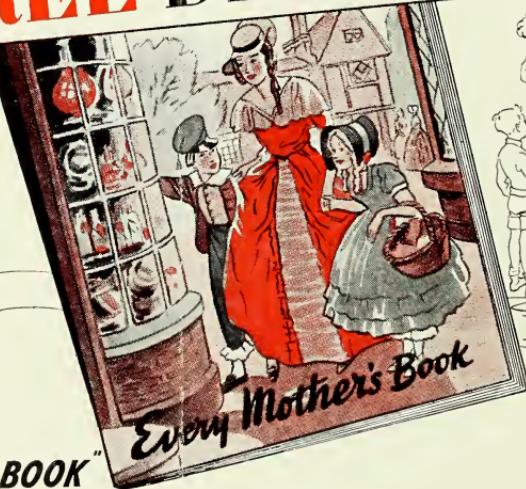
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